



v2.2.0

# CATALOG

## SMART CITY 2017

# INDEX

<b>GENERAL SALES TERMS</b>	<b>6</b>	<b>2.4 MARKING ELEMENTS AND ROADS PROTECTION</b>	<b>24</b>
<b>I PARKING MANAGEMENT</b>	<b>7</b>	Bollards and milestones	24
<b>I.1 VEHICLE DETECTION SENSORS</b>	<b>8</b>	Speed reducers	24
NEDAP® SENSIT™ Sensors	8	Cones	25
NEDAP® SENSIT™ accessories	8	<b>3 BARRIERS</b>	<b>26</b>
<b>I.2 COMMUNICATION ELEMENTS</b>	<b>9</b>	<b>3.1 MANUAL ACCESS</b>	<b>27</b>
NEDAP® SENSIT™ Communication Elements	9	AUTOMATIC SYSTEMS® BL10 Barriers	27
<b>I.3 PARKING MANAGEMENT SW</b>	<b>10</b>	Options and accessories	27
NEDAP® SENSIT™ Management SW	10	<b>3.2 AUTOMATIC RISING BARRIER</b>	<b>29</b>
<b>I.4 PARKING GUIDANCE ELEMENTS</b>	<b>11</b>	AUTOMATIC SYSTEMS® Vehicle Automatic Rising Barrier (up to 4m) (BL15)	29
NEDAP® SENSIT™ Parking Guidance	11	Options and accessories	29
<b>I.5 MARKING ELEMENTS AND PARKING PROTECTIONS</b>	<b>12</b>	AUTOMATIC SYSTEMS® Barriers up to 6 Metres (BL229)	30
Parking Curbs	12	Options (Some are required) for AUTOMATIC SYSTEMS® BL229 Barriers	31
Mirrors	13	AUTOMATIC SYSTEMS® Barriers up to 8 Meters (BL40)	32
<b>2 LICENSE PLATE RECOGNITION</b>	<b>14</b>	AUTOMATIC SYSTEMS® Barriers up to 12 Meters (BL41)	33
<b>2.1 SW LICENSES FOR ANPR</b>	<b>15</b>	<b>3.3 HIGHWAYS</b>	<b>34</b>
SW Licenses for ANPR VAXTOR® VaxALPR™ Acceso™	15	AUTOMATIC SYSTEMS® Barriers up to 3 meters (BL229 Toll)	34
SW Licenses for ANPR VAXTOR® VaxALPR™ Acceso™ Free Flow™	15	AUTOMATIC SYSTEMS® Barriers up to 4 Meters (BL261 for Tolls)	34
Accessories and options	16	AUTOMATIC SYSTEMS® Barriers up to 4 Meters (BL262 for Tolls)	35
SW Licenses for ANPR VAXTOR® VaxALPR™ RedLight™	17	<b>3.4 FENCED BARRIERS</b>	<b>37</b>
Accessories y options	17	AUTOMATIC SYSTEMS® Fenced Barrier up to 7 Meters	37
<b>2.2 FIELD ANALYSIS HW</b>	<b>18</b>	AUTOMATIC SYSTEMS® Fenced Barrier up to 7 Meters	37
Additional Hardware for VAXTOR® VaxALPR™	18	<b>3.5 ACCESSORIES FOR RISING BARRIERS</b>	<b>39</b>
<b>2.3 SUPPORT ELEMENTS</b>	<b>19</b>	Accessories of detection, control and programming	39
Totems for SRM	19	<b>4 INTERPHONE</b>	<b>40</b>
ARGUSA® Posts for Vehicles Access	19	<b>4.1 IP/SIP SYSTEMS</b>	<b>41</b>
AUTOMATIC SYSTEMS® Posts for Vehicles Access	20	AIPHONE™ IX Series IP Video Intercoms	41
Accessories regarding to AUTOMATIC SYSTEMS®	20	Accessories for AIPHONE™ IX Series IP Video Intercoms	41
AUTOMATIC SYSTEMS® Posts & Columns	20	AXIS® IP / SIP Network Video Door Stations	41
Accessories regarding to AUTOMATIC SYSTEMS®	21	Accessories for AXIS® IP / SIP Network Video Door Stations	41
AUTOMATIC SYSTEMS® Security and Safety Elements	21	AIPHONE™ IS Series IP Video Intercoms	42
Accessories regarding to AUTOMATIC SYSTEMS®	22	DAHUA™ IP Video Intercoms	42
Pedestals for Cameras Support	22	Installation Elements for DAHUA™ IP Interfaces	42
Cameras Support Pedestars' Accesories	23	DAHUA™ IP Modular Outdoor Stations	43
		Optional Installation Elements for DAHUA™ IP Modular Outdoor Stations	44
		2N® Helios IP Verso™ Intercoms	45

# INDEX

2N® Helios IP Verso™ Modules	45		
Mounting Elements for 2N® Helios IP Verso™ Intercoms	47		
2N® Helios IP Vario™ Intercoms	49		
2N® Helios IP Vario™ Intercom Accessories	51		
2N® Helios IP Force™ Intercoms	52		
2N® Helios IP Safety™ Intercoms	54		
2N® Helios IP UNI™ Intercoms	54		
<b>4.2 IP MASTER STATIONS FOR IP/SIP SYSTEMS</b>	<b>55</b>		
AIPHONE™ IX Series IP Master Stations	55		
AIPHONE™ IS Series IP Master Stations	55		
DAHUA™ IP Intercom Displays and Related Elements	56		
2N® Indoor Answering Units	56		
<b>4.3 CENTRAL SERVERS AND SW FOR IP/SIP SYSTEMS</b>	<b>58</b>		
AIPHONE™ IS Series Servers and Software for IP Intercoms	58		
2N® Developing Licenses for IP Intercommunication	58		
<b>4.4 POWER SUPPLIES FOR IP/SIP SYSTEMS</b>	<b>60</b>		
Additional Components for AIPHONE™ IP Intercoms	60		
Additional Components for DAHUA™ IP Intercoms	60		
<b>5 ANALOG INTERCOMMUNICATION</b>	<b>61</b>		
<b>5.1 WINDOW INTERCOM SET</b>	<b>62</b>		
AIPHONE™ IM Series: Security Window System Set	62		
OPTIMUS™ Security Window System Set	62		
<b>5.2 INDUSTRY, OFFICES AND COMMERCIAL SPACES</b>	<b>63</b>		
AIPHONE™ AT Series Intercoms	63		
AIPHONE™ MC Series Intercoms	63		
AIPHONE™ YAZ Series Intercoms	63		
AIPHONE™ LEF Series Intercoms	63		
Accessories for AIPHONE™ LEF Series	65		
AIPHONE™ LEM Series Intercoms	65		
AIPHONE™ IE Series Intercoms	66		
AIPHONE™ TC Series Intercoms	68		
AIPHONE™ NIM Series Intercoms	69		
AIPHONE™ NIM Series Lapms and Push buttons	70		
AIPHONE™ NIM Series Wall Docks	71		
<b>5.3 TELEPHONE INTERCOMS SYSTEM PANELS</b>	<b>73</b>		
AIPHONE™ TL Series Intercoms	73		
AIPHONE™ TL Series Hooded Boxes	73		
<b>5.4 VIDEO DOOR STATIONS</b>	<b>74</b>		
AIPHONE™ JP Series Intercoms	74		
AIPHONE™ JO Series Intercoms	75		
AIPHONE™ JK Series Intercoms	76		
<b>5.5 CONDOMINIUMS INTERCOM SYSTEMS</b>	<b>78</b>		
AIPHONE™ GT Series Intercoms	78		
Installation Elements for AIPHONE™ GT and GF Series Intercoms	81		
Intercommunications for Condominiums	84		
Intercommunicators Pannels for Condominiums	86		
<b>5.6 ADDITIONAL COMPONENTS FOR INTERCOMS</b>	<b>87</b>		
Power Supplies for Intercom Systems	87		
Additional Components for AIPHONE™ Intercoms	88		
AIPHONE™ IE, TC, TD and NIM Series Common Accessories	89		
AIPHONE™ JM, JO and JK Series Common Accessories	89		
<b>6 RACKS</b>	<b>90</b>		
<b>6.1 FLOOR-STANDING RACKS</b>	<b>91</b>		
18U Racks	91		
27U Racks	91		
42U Racks	92		
44U Racks	93		
47U Racks	94		
Accessories for Floor-standing Racks	94		
<b>6.2 MURAL RACKS</b>	<b>96</b>		
Mural Racks F450	96		
Mural Racks F550	96		
Accessories for Mural Racks	97		
<b>6.3 UTP CONNECTION</b>	<b>98</b>		
UTP Cat6A Connection	98		
UTP Cat6 Connection	99		
<b>6.4 FIBER OPTIC CONNECTION</b>	<b>103</b>		
Adapters and supports (Treat as if they were Accessories)	103		
Patch cords and Pigtails (Treat as if they were Accessories)	103		
Pre-Terminated (Treat as if they were Accessories)	104		
<b>6.5 KVM WIRING</b>	<b>105</b>		
KVM wiring	105		
KVM Cable Assemblies	106		

# INDEX

## 7 NETWORKING

### 7.1 ETHERNET SWITCHES

L3 Switches for CORE OSPF v2/v3	116
Accessories for Switches L3 Manageables CORE	116
L3 Manageable Switches for CORE OSPF v1/v2	117
L2 Manageable Switches	117
Accessories for Switches L2 Manageables	119
Metro Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switches	119
L2+ Managed Stackable Switches	119
Accessories for Switches L2 Manageables Stackable	120
Layer 2/4 10/100/1000Mbps Web/SNMP Manageable Switches	120
Accessories for Switches L2 Manageables	124

### 7.2 SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

Managed 802.3at High Power PoE Switch	125
Managed 802.3af PoE Switch	127
Unmanaged 802.3at High Power PoE Switch	127
Unmanaged 802.3af PoE Switch	129
Unmanaged/Managed 802.3af/at PoE Injector Hubs	130
Injectors, Splitters and PoE Extenders	131

### 7.3 INDUSTRIAL SWITCHES

Layer 2 / 4 10/100/1000Mbps Web/SNMP Manageable Switch	133
Unmanaged Industrial Ethernet Switch. DIN-Rail / Wall-Mount Gigabit Switch	134
DIN-Rail Fast Ethernet Switch	134
Industrial Power over Ethernet Solution. DIN-Rail Gigabit POE Switch	136
Industrial Power over Ethernet Solution. DIN-Rail Fast Ethernet POE Switch	136
Accessories for Manageables Industrial Switches	137
Industrial Power over Ethernet Solution. Solar Power POE Conversion	137
Industrial PoE Injectors, Splitters & Wireless Access Points	138

### 7.4 MEDIA CONVERTERS

10000Mbps 10G Ethernet XFP/SFP+ Fiber Transceivers	139
1000Mbps Gigabit Ethernet SFP Fiber Transceivers	140
100Mbps Fast Ethernet SFP Fiber Transceivers	142
Extended Temperature Fiber Transceiver for Industrial Switches	143
LANTRONIX™ Converters	146
Data converters Coax to Ethernet	147
Data converters Coax to Ethernet with PoE supply	147
Standard Fast Ethernet Media Converter	148
Chassis	149

## 115

## 116

## 125

## 133

## 139

## 7.5 CONNECTIVITY WITHOUT CABLES

Connectivity 3G/4G	150
Connectivity Point-to-Point	150
Connectivity Point-to-Multi-Point	150

## 7.6 KVM SWITCHES AND EQUIPMENTS

KVM Desktop Switch	152
KVM Switches 19" 1U	155
KVM LCD Console	158
KVM LCD Consoles/Switches	158
KVM Over IP	160
KVM Extenders	161

## 8 INDUSTRIAL TAGS

## 164

### 8.1 WASTE MANAGEMENT TRANSPONDERS

## 165

HID® Bin Tag	165
HID® Plug Tag	166

### 8.2 ANIMAL IDENTIFICATION TRANSPONDERS

## 167

HID® Glass Tag	167
----------------	-----

### 8.3 AUTOMATION & MANUFACTURING TRANSPONDERS

## 171

HID® E-Unit Tags	171
HID® Logi Tag	171
HID® Poly Tag	173
HID® Volcano Tag	173
HID® IronTag®	174
HID® High Temperature Label UHF	175
HID® IN Tag	176

### 8.4 RETURNABLE TRANSPORT ITEMS TRANSPONDERS

## 180

HID® InLine™ Ultra Tag	180
HID® Keg Tag	181
HID® Nail Tag	182

### 8.5 LAUNDRY TRANSPONDERS

## 183

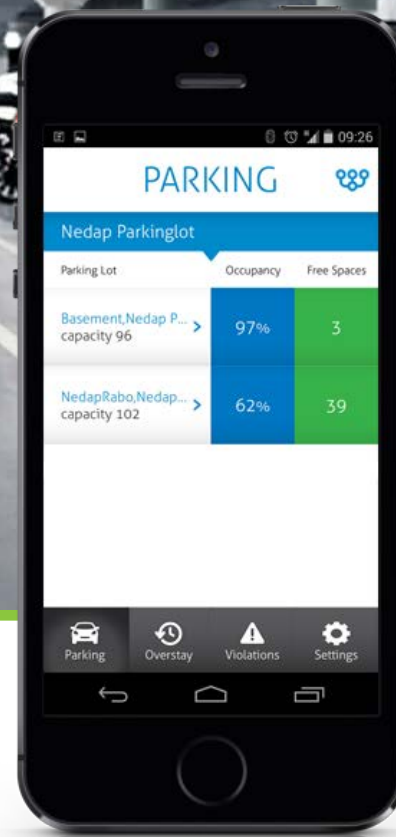
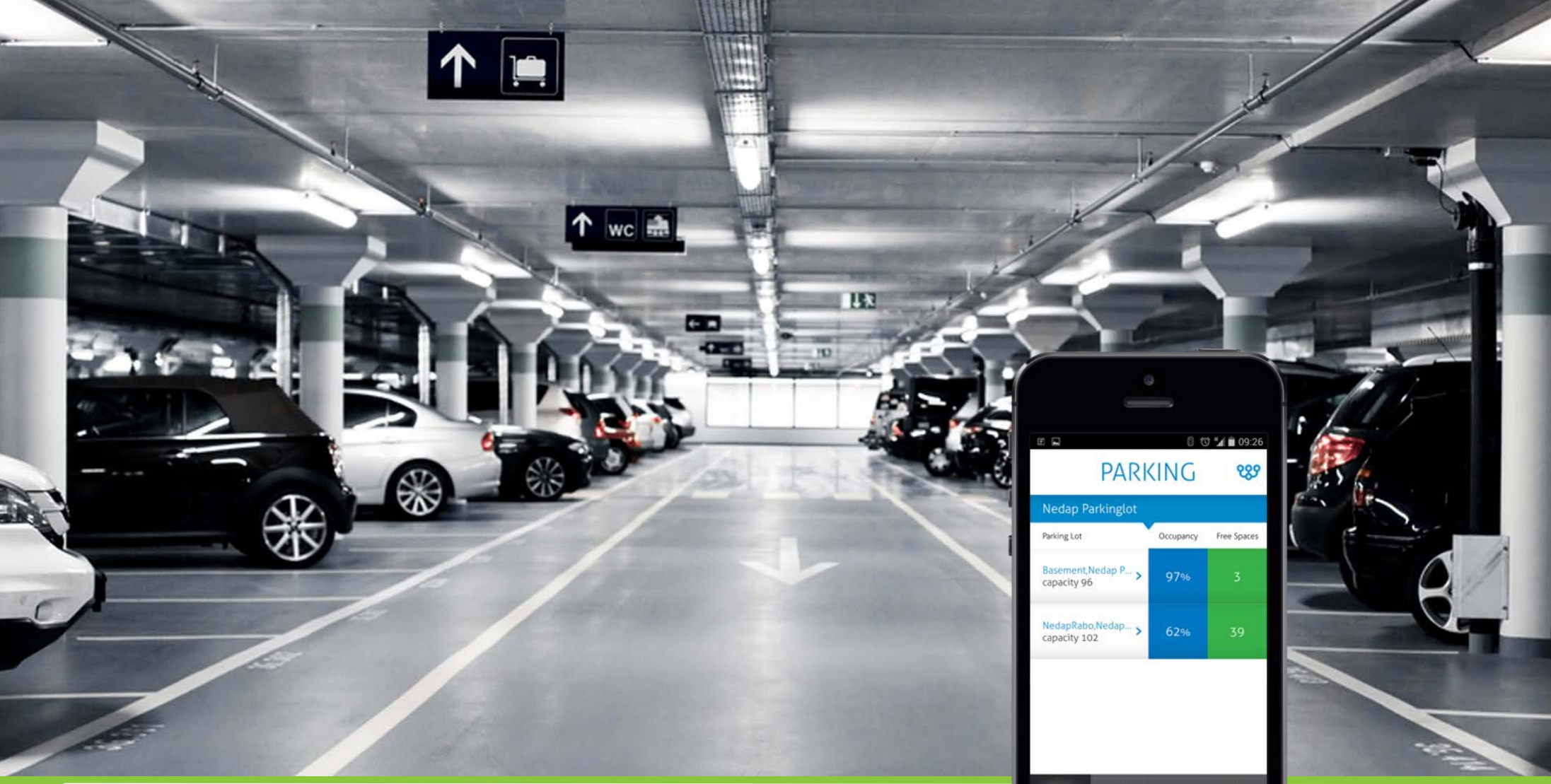
HID® SlimFlex™ Laundry Tags	183
-----------------------------	-----

# INDEX

<b>8.6 ASSET TRACKING &amp; LOGISTICS TRANSPONDERS</b>	<b>184</b>
HID® Inlays & Labels Tags	184
HID® Seal eTamper Tag	184
HID® World Tag	186
HID® TapMark™ Family	187
HID® Epoxy Tag Key fob	188
HID® Epoxy Disc	188
HID® SlimFlex™ Tags	189
<b>8.7 EMBEDDABLE RFID TRANSPONDERS</b>	<b>191</b>
HID® Piccolino Tag	191
HID® Brick Tag	192
Accessories for Brick Tag	192
HID® Clear Disc	192
HID® Coin PCB	195
<b>8.8 BEACONS</b>	<b>196</b>
EM® Beacons	196
Wireless Tools for EM® Beacons	196
HID® Bluvision™ Beacons	197
Wireless HID® Bluvision™ BluFi	197
Management SW and Services for HID® Bluvision™ Environment	198

# 2017 GENERAL SALES TERMS

1. Prices are subject to change without notice.
2. Prices are in Euros. F.O.B. EMACS®, SPAIN Distribution Center, EEC Import Tax excluded
3. All orders are final. For details on changes or cancellations, please **consult EMACS®**.
  - a. Any changes required after order accepted by EMACS® will involve an extension of the deadline and possibly a change in price, which will be determined by our relevant department.
  - b. While the order is not definitively confirmed, the time indicated by EMACS® until then always will be an approximation.
4. The stipulated period of delivery will be automatically extended in time to be determined by our relevant department, if two things happen:
  - a. Introduction of amendments to the original order, at the request of the CUSTOMER while it is running.
  - b. Delayed essential documentation, specifications, designs or clarifications requested by EMACS®, to the implementation of the supply order.
5. The delivery period will be extended also in cases of irregular situations that modify the conditions of production, such as:
  - a. Lack of material caused by the failure of our suppliers or by the absence in the domestic market of materials whose acquisition was planned in that market.
  - b. Service disruption of transport, strikes, and other social or labor unrest, military demonstrations, wars, disasters, unusual weather causes, fires in our facilities, serious accidents indispensable machines in production order, unexpected power interruption for long periods restrictions, or opposition from the authorities.
6. During the execution of the order could be introduced any changes in the design of materials, only if this does not prejudice the quality levels of our supplies and resulting diminished assumed no guarantees for this reason.
7. Each and every one of the documents or studies of any kind as sketches, designs, reports, calculations, specifications and similar reports, supplied or shipped to the CUSTOMER are always the exclusive property of EMACS® and, in any case, may be used or disclosed to third parties, without our prior written consent; giving rise to the obligation to compensate the non-fulfilment of the above.
8. In the price of materials is not included any expenses incurred by the manufacturing inspection and receiving materials to be made by the CUSTOMER or by a representative, unless specific clause; then the inspection or review must be clearly specified.
9. Our warranty is limited to the repair or replacement as soon as possible and on our own, of any defective product or part, of failing to be checked and allocated to the raw material and / or manufacturing defects.
  - a. Returns any material is subject to RMA process established by the manufacturer, managed by EMACS®. The RMA process establishes the analysis of damage in the material, and amounts refunds or substitutions, as determined by HID® or EMACS®.
  - b. For return of products, by RMA request under warranty, a charge of € 73.47 applies if the product does not have any default, in respect of shipping and test costs performed.
  - c. The RMA process is performed carriage paid by the CUSTOMER.
  - d. General conditions for payments agreed may not be valid RMA process, as determined by EMACS®.
10. EMACS® does not assume in any case, the responsibilities for other damages, direct or indirect, as well as those resulting from downtimes due to repair or replacement of parts.
11. Using unrelated staff to our services to carry out modifications or repairs jobs for our products, immediately will override the duration of the warranty period.
12. All and any irregularities within the warranty shall be reported in writing immediately, with urgent status and accompanied information with the reasons that have caused the failure, under penalty of cancellation of that warranty.
13. Repair or modification or replacement of parts during the warranty period does not involve the extension of the term thereof.
14. Parts replaced within the warranty period shall be in possession or under possession of EMACS®.
15. All trademarks and registered trademarks are the properties of their respective companies.
16. EMACS® reserves the right of ownership of all goods for which payment has not been entirely satisfied invoice due and can remove it from the customer's home or any other place where it shall find.
17. Minimum order quantity is 10 for all NEDAP® SENSIT™ sensors and NEDAP® SENSIT™ EPL devices. Orders will be accepted in multiples of 10 pieces thereafter.
18. NEDAP® SENSIT™ equipment cannot be supplied to private customers under any conditions. As distributors/wholesalers, from EMACS® we only can supply equipment to companies or institutions that meet the sales conditions at [http://www.emacs.es/downloads/HTOG/SENSIT\\_Nedap\\_Terms\\_and\\_conditions\\_v6.0.pdf](http://www.emacs.es/downloads/HTOG/SENSIT_Nedap_Terms_and_conditions_v6.0.pdf)
19. Can be required a prior NDA agreement to the customer, pending approval from the manufacturer: NEDAP™. If one of the parties denies the NDA agreement (customer or manufacturer), the supply could not be authorized, and the import of the purchase would be refunded by EMACS®.
20. For SENSIT™ devices international supplies, express authorization from NEDAP® is required, due to the current radio frequency regulations in each territory.







# 1.0 | PARKING MANAGEMENT

Parking Smart Management

# 1.1 | VEHICLE DETECTION SENSORS

## Detection and Identification Sensors

### NEDAP® SENSIT™ Sensors

	P/N	Model	Weight	Size	Durability	Protection	Description	List Price
	9943374	NEDAP® SENSIT™ IR Sensor	0,365 Kg	ø 7,8 cm x 5,3 cm	Between 5 and 10 years	IP67. Completely sealed	Vehicle detection sensor featured with dual detection technology allowing for installation into a parking space. Dual detection (infrared and earth magnetic field). IP67, vandal resistant mounting, completely sealed Housing PE.	189,00 €
	9966960	NEDAP® SENSIT™ Flush Mount Sensor	0,35 Kg	ø 7,8 cm x 7,2 cm	Between 5 and 10 years	IP67. Completely sealed	Vehicle detection sensor for flush mount installation with the road surface. The new flush mount sensor offers an improved detection algorithm. The sensor is resistant to snow ploughs. Allows earth magnetic detection. It is snowplough resistant. IP67, vandal resistant mounting, completely sealed Housing PE.	189,00 €
	9958525	NEDAP® SENSIT™ Surface Mount Sensor	0,455 Kg	Sensor: ø 16,7 x 3,5 cm Mounting Ring ø 24 cm	Between 5 and 9 years	IP67. Completely sealed	Vehicle detection sensors designed for car parks where drilling is not allowed. The sensor can easily be glued onto the surface. Replacement can be achieved easily by removing the sensor installed in the mounting ring. Dual detection technology. No drilling, easy installation. Suitable for car parks and rooftop parking. IP67, vandal resistant mounting, completely sealed Housing PE.	202,50 €
	8021996	NEDAP® SENSIT™ EPL Device	0,35 Kg	11,6 cm x 7,2 cm x 2,7 cm	5 años	IP32	E-Parking License is a device which detects legitimate use of parking bays. It is a small in-vehicle device placed behind the windshield of the vehicle to also allow for visible verification by enforcement officers. As soon as the vehicle is parked in a parking bay, the EPL contacts the wireless SENSIT™ network to register that the vehicle has parked in the designated bay.	101,25 €




### NEDAP® SENSIT™ Accessories

P/N	Description	List Price
4603583	The reset magnet configures the SENSIT™ nodes out of stock mode.	50,00 €

# 1.2 | COMMUNICATION ELEMENTS

## Data Collectors and Relay Nodes



### NEDAP® SENSIT™ Communication Elements

	P/N	Model	Weight	Size	Range	Protection	Description	List Price
	9889582	NEDAP® SENSIT™ Data Collector	0,105 Kg	12,5 cm x 11 cm x 6,5 cm	Until 25 meters	IP44	The Data Collector is the central communication unit that collects raw data from the individual SENSIT Nodes via wireless communication. It is the interface between the Nodes and the host system. RS232 or Ethernet communication.	340,00 €
	9966480	NEDAP® SENSIT™ GPRS Data Collector	2,2 Kg	25 cm x 25 cm x 9 cm	Until 25 meters	IP65	The Data Collector IP65 GPRS is the interface between the vehicle detection sensors, the Relay Node and the SENSIT™ software. The Data Collector IP65 GPRS collects actual status data from the individual sensors via the Relay Node through the wireless mesh network.	1.350,00 €
	9212884	NEDAP® SENSIT™ 2G Relay Node	0,365 Kg	N/D	Until 100 meters	IP65	The Relay Node 2G is a wireless communication unit for on-street applications and is used to relay the messages faster to a Data Collector. It ensures faster communication between the SENSIT™ network and the Data Collector. The Relay Node 2G is a fully wireless unit, ensuring easy installation onto lampposts. Once installed, no maintenance is required for years.	365,00 €

# 1.3 | PARKING MANAGEMENT SW

## Server, Software and Apps


### NEDAP® SENSIT™ Management SW

	P/N	Model	Interface	Clients	Binds	License	Description	List Price
	8022020	NEDAP® SENSIT™ Interface Software	N/A	1 (main workstation)	N/A	Price per sensor/year. Min 300,00 €	This software enables easy installation of the wireless sensor network. Once the network and sensors are installed and calibrated, the sensors will automatically appear in the software. Configuration of sensors to specific parking bays, parking zone and parking lot can easily be realised.	75,00 €
	8022003	NEDAP® SENSIT™ Parking License App	N/A	1 (additional device)	Requires Interface SW already installed	Renewal each 12 months	The SENSIT™ Parking License app for smartphones performs in a similar way as the previously released physical onboard EPL device (Electronic Parking License). It enables the SENSIT™ system to identify and localize the vehicle and consequently detect abuse of parking bays for designated users. Price per year. Must be paid every 12 months.	225,00 €

# 1.4 | PARKING GUIDANCE ELEMENTS

## Accessories

### NEDAP® SENSIT™ Parking Guidance

	P/N	Model	Weight	Size	Voltage	Protection	Description	List Price
	<b>8022011</b>	NEDAP® SENSIT™ Display	1,50 Kg	31 cm x 15 cm x 6 cm	230 VAC (50 Hz)	IP55	The LED display enables signage of free parking spaces for stand-alone parking guidance installations. The display is designed for outdoor use, indicating the number of available parking spaces per parking lot thus guiding motorists to the closest parking space.	<b>1.350,00 €</b>

# 1.5 | PARKING ELEMENTS AND PARKING PROTECTIONS

## Parking Elements for Traffic Flow Management

### Parking Curbs

P/N	Description	List Price
115-0001	Unique self-adhesive parking curb 400 x 280 x 60 mm	17,38 €
115-0003	Unique adhesive parking curb 400x280x60mm	14,50 €
115-0004	PVC parking block 4 Reflex. 1000x180x55 mm	45,25 €
115-0005	PVC parking block 2 Reflex.500x180x50mm	32,13 €
115-0006	Rounded parking curb made of rubber. 1000 x 80 x 90 mm	150,00 €
115-0007	Rounded parking curb made of rubber. 500 x 80 x 90 mm	68,50 €
115-0009	High parking block 600 x 150 x 120 mm	70,75 €
115-0012	Rubber park stopper 85 x 540 x 150 mm	32,38 €
115-0013	PVC parking block. Recycling 700x160x100mm Black	47,50 €
115-0014	Lane separator block. Yellow/black. 500x160x100mm	38,00 €
115-0015	MINI wedge for private car 160x120x93mm	27,38 €
115-0016	MAXI wedge for all-wheel vehicles 270x160x154mm	49,88 €
115-0017	Yellow wedge for trucks. PVC. 470x201x225mm	56,50 €
115-0018	Black wedge made of rubber with anti-theft chain.	164,00 €
115-0019	Long floor block. Yellow/black. 1830x150x110mm	131,50 €
115-0021	PVC parking block. Recycling 700x160x100 mm. Yellow	84,88 €
115-0022	MAXI wedge with chain, 270x160x154mm	84,88 €
315-0302	Lane separator 1000x160x70mm (3 pieces)	97,25 €
315-0303	Lane separator 400x160x70mm (2 pieces)	52,13 €
315-0304	Zebra lane separator 90mm	90,75 €
315-0305	Zebra lane separator 130mm	129,13 €

# 1.5 | PARKING ELEMENTS AND PARKING PROTECTIONS

## Parking Elements for Traffic Flow Management

### Parking Curbs

P/N	Description	List Price
315-0306	Central separator for lane 600x160x70mm	50,75 €
315-0307	Lateral separator for lane 200x160x70mm	28,88 €

### Mirrors

P/N	Description	List Price
335-0011	Convex multipurpose mirror acril.420x650mm.Dist: 13 m	173,75 €
335-0012	Convex multipurpose mirror acril.500x750mm.Dist: 17 m	238,13 €
335-0022	Interior mirror 1/2 esfera acril.800mm. Dist: 10m	230,50 €
335-0040	Interior mirror 1/8 esfera acril. 300mm. Dist: 2 m	18,13 €
335-0041	Interior mirror 1/8 esfera acril. 450mm. Dist: 5 m	21,25 €
335-0042	Interior mirror 1/8 esfera acril. 650mm. Dist: 7m	43,88 €
335-0050	Convex multipurpose mirror acril. Ø650 mm with ribbon R/B	210,88 €
335-0051	Convex multipurpose mirror acril. Ø750 mm with ribbon R/B	249,13 €



# 2.0 | LICENSE PLATE RECOGNITION




Traffic Flow & Access Control Management






# 2.1 | SW LICENSES FOR ANPR

## Urban Traffic Flow Control & Access

### SW Licenses for ANPR VAXTOR® VaxALPR™ Acceso™

	P/N	Model	Lanes	Clients	Binds	Support	Description	List Price
	<b>VXAC-BA01</b>	VAXTOR® VaxALPR™ Acceso™ License	1 Lane	Limited to only 1 camera	Requires Helix-5 License or Host platform	OPTIONAL	VaxALPR™ Acceso™ BASIC license, per camera. No sensors required for plate reading activation. 24/7 Operation. Reading rate greater than 98%. Easy installation. Combinable with ambience cameras. High quality image 24h. Local or remote administration. Stopped or moving vehicles. Fully scalable solution. It requires VAXTOR® Helix-5™ base license or integration platform.	<b>1.900,00 €</b>
	<b>VXAC-BA02</b>	VAXTOR® Helix-5™ Acceso™ Software	No Limits. License per Project	Unlimited connections	N/A	OPTIONAL	Helix-5™ Application for management. One VaxALPR™ Helix-5™ Acceso™ BASIC license per project. Results are reported to Helix™-5 management solution to analyze results and manage alarms for VAXTOR® VaxALPR™ Acceso™ licenses. This software has been developed to run on an application server and can be accessed from any web browser. If a blacklist management platform is already available, it is also possible to integrate VaxALPR results with a customer back office system.	<b>1.800,00 €</b>
	<b>VALPR-OC-AX</b>	VAXTOR® VaxALPR™ Acceso™ License ON CAMERA	1 Lane	Limited to only 1 camera	Requires Helix-5 License or Host platform	OPCIONAL	VaxALPR™ Acceso™ ON CAMERA license, per camera. No sensors required for plate reading activation. 24/7 Operation. Stopped or moving vehicles. Fully scalable solution. It requires VAXTOR® Helix-5™ base license or integration platform. It requires AXIS™ camera with ARTPEC-4 (Stop & Go) or ARTPEC- 5 chipset.	<b>900,00 €</b>

### SW Licenses for ANPR VAXTOR® VaxALPR™ Acceso™ Free Flow™

	P/N	Model	Lanes	Clients	Binds	Support	Description	List Price
	<b>VXFREE01</b>	VAXTOR® VaxALPR™ Acceso™ Free Simple License	Several Lanes (Front). Depending on width view focused	Limited to only 1 camera	Requires Helix-5 License or Host platform	OPTIONAL	VaxALPR™ Acceso™ FREE license, per camera. No sensors required for plate reading activation. 24/7 Operation. Reading rate greater than 98%. Easy installation. Combinable with ambience cameras. High quality image 24h. Local or remote administration. Stopped or moving vehicles. Fully scalable solution. It requires VAXTOR® Helix-5™ base license or integration platform.	<b>2.400,00 €</b>
	<b>VXFREE02</b>	VAXTOR® VaxALPR™ Acceso™ Free Stereo License	Varios Lanes (Frontal y trasera). Según campo de visión	Limited to only 2 cameras	Requires Helix-5 License or Host platform	OPTIONAL	VaxALPR™ Acceso™ FREE license, per pair of cameras (front/rear). No sensors required for plate reading activation. 24/7 Operation. Reading rate greater than 98%. Easy installation. Combinable with ambience cameras. High quality image 24h. Local or remote administration. Stopped or moving vehicles. Fully scalable solution. It requires VAXTOR® Helix-5™ base license or integration platform.	<b>4.480,00 €</b>
	<b>VXFREE03</b>	VAXTOR® Helix-5™ Acceso™ Free Software	No Limits. License per Project	Unlimited connections	N/A	OPTIONAL	Helix-5™ Application for management. One VaxALPR™ Helix-5™ Acceso™ FREE license per project. Results are reported to Helix™-5 management solution to analyze results and manage alarms for VAXTOR® VaxALPR™ Acceso™ licenses. This software has been developed to run on an application server and can be accessed from any web browser. If a blacklist management platform is already available, it is also possible to integrate VaxALPR results with a customer back office system.	<b>1.800,00 €</b>

# 2.1 | SW LICENSES FOR ANPR

## Urban Traffic Flow Control & Access



Accessories and options (To the VAXTOR® VaxALPR™ Acceso™ license's unit price to be added)

P/N	Description	List Price
VXPGAL02	ALPR plug-in license per camera. iSpeed. iSpeed, vehicle speed calculation (PRO and FREE).	500,00 €
VXPGAL03	ALPR plug-in license per camera. Moped plates detection (all versions).	500,00 €
VALPR-PLG-SANC	Helix-5™ plug-in which allows sanctions integration with customer's Sanctioning Entity back office.	2.000,00 €
VAX-ALPR-URB	Urban control Helix-5™ plug-in.	2.000,00 €

### → Informative details for VAXTOR® VaxALPR™ Acceso™ licenses

Vaxtor Systems™'s solutions can be integrated with numerous access control systems and NVR devices (Axis™, Sony™, Panasonic™, Mobotix™, Bosch™, Dahua™, Hikvision™, IDST™, Basler™, Avigilon™, Samsung™). All these models are available and can be ordered. Our recommendation is AXIS® P1354-E camera.

### SW Licenses for ANPR VAXTOR® VaxALPR™ RedLight™

	P/N	Model	Lanes	Clients	Binds	Support	Description	List Price
	<b>VXRL01</b>	VAXTOR® VaxALPR™ RedLight™ License	Several Lanes (Front). Depending on width view focused	Limited to only 2 cameras	Requires Helix-5 License or Host platform	OPTIONAL	VaxALPR™ RedLight™ license, per lane. Not necessary to incorporate any field element for reading. VaxALPR™ RedLight™ will generate the evidence of offenses in the PC computer placed on the street near the traffic light. It requires VAXTOR® Helix-5™ base license or integration platform.	3.500,00 €
	<b>VXHE-LIX10</b>	VAXTOR® Helix-5™ Base License	No Limits. License per Project	Unlimited connections	N/A	OPTIONAL	Helix-5™ Application for management. One VaxALPR™ Helix-5™ license per project. Results are reported to Helix™-5 management solution to analyze results and manage alarms for VAXTOR® VaxALPR™ Acceso™ licenses. This software has been developed to run on an application server and can be accessed from any web browser. If a blacklist management platform is already available, it is also possible to integrate VaxALPR results with a customer back office system. Base Version White-Black Lists, users, cameras mangement...	1.800,00 €

# 2.1 | SW LICENSES FOR ANPR

## Urban Traffic Flow Control & Access

Accessories and options (To the VAXTOR® VaxALPR™ license's unit price to be added)

P/N	Description	List Price
VXALPR02	VaxALPR™ Applications Plug-in. VaxALPR™ Acceso™ ALPR engine. License price per camera. Motorcycles.	500,00 €
VXHELIX20	VaxALPR™ Applications Plug-in. Residents control system.	6.000,00 €
VXHELIX30	VaxALPR™ Applications Plug-in. Integration with legal authority backoffice.	1.250,00 €
VXHELIX50	VaxALPR™ Applications Plug-in. VaxALPR™ RedLight™ management.	937,50 €




### → Informative details for VAXTOR® VaxALPR™ RedLight™ licenses

Vaxtor Systems™'s solutions can be integrated with numerous access control systems and NVR devices (Axis™, Sony™, Panasonic™, Mobotix™, Bosch™, Dahua™, Hikvision™, IDS™, Basler™, Avigilon™, Samsung™). All these models are available and can be ordered. Our recommendation is AXIS® P1354-E camera, for OCR and also as environmental camera.

# 2.2 | FIELD ANALYSIS HW

## Additional Equipment for Deployment



### Additional Hardware for VAXTOR® VaxALPR™

	P/N	Model	Weight	Size	Interfaces	Protection	Description	List Price
	<b>VXUAC12</b>	VAXTOR® Cabinet for 1-2 Cameras ALPR	27 Kg	50 cm x 40 cm x 20 cm	Switch: 4 PoE ports + 4 Ethernet ports (1000Mbps)	IP66	Air forced ventilation metallic cabinet with roof (outdoor and indoor). Electrical equipment with both magneto-thermic and RCD. UPS 600 VA. Box fan 25cu m/h. Ventilation plastic strainer. Thermostat. All mounted over DIN rail. Switch 4xPOE + 4x Eth (1000Mbit). ALPR nano computer Intel i5 processor. Cabinet in height pole mount accessories. Valid for VAXTOR® VaxALPR™ Acceso™ deployments, and also RedLight™ with 1-2 lanes deployments, with only 2 cameras required.	<b>2.200,00 €</b>
	<b>VXUAC34</b>	VAXTOR® Cabinet for 3-4 Cameras ALPR	27 Kg	50 cm x 50 cm x 25 cm	Switch: 4 PoE ports + 4 Ethernet ports (1000Mbps)	IP66	Air forced ventilation metallic cabinet with roof (outdoor and indoor). Electrical equipment with both magneto-thermic and RCD. UPS 600 VA. Box fan 25cu m/h. Ventilation plastic strainer. Thermostat. All mounted over DIN rail. Switch 4xPOE + 4x Eth (1000Mbit). ALPR nano computer Intel i5 processor. Cabinet in height pole mount accessories. Valid for VAXTOR® VaxALPR™ BadTurn™ deployments, and also RedLight™ with 3-4 lanes deployments, where 3 cameras are required.	<b>4.485,00 €</b>
	<b>ADAM-6060</b>	Advantech™ ADAM 6060 Modules	1 Kg	70 mm x 122 mm x 27 mm	10/100 Base-T(X) + 6 x I/O Relays	N/A	6-ch Digital Input and 6-ch Relay Modbus TCP Module. Remote monitoring and control with mobile devices. Group configuration capability for multiple module setup. Flexible user-defined Modbus address. Intelligent control ability by Peer-to-Peer and GCL function. Active I/O message by data stream or event trigger function. Multiple protocol support: Modbus TCP, TCP/IP, UDP, HTTP, DHCP. Web language support: XML, HTML 5, Java Script.	<b>293,77 €</b>





# 2.3 | SUPPORT ELEMENTS

## Aux Elements for Controlled Access Lanes

### Totems for SRM

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>EM-TOT-MD</b>	EMACS® SRM Totem for Minidome	796 x 340 (250) x 340 (250) mm	99 mm (diameter)	Lacquered of your choice	Fixed	Totem with internal mechanized for mini dome. Specification on 2mm APO-4 sheet. Painted: epoxy-polyurethane, two colors. Admits tailored customization.	<b>672,00 €</b>
	<b>EM-TOT-CF</b>	EMACS® SRM Totem for Fixed Camera	796 x 340 (250) x 340 (250) mm	99 mm (diameter)	Lacquered of your choice	Fixed	Totem with internal mechanized for fixed camera. Specification on 2mm APO-4 sheet. Painted: epoxy-polyurethane, two colors. Admits tailored customization.	<b>672,00 €</b>

### ARGUSA® Posts for Vehicles Access

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>BT-05-304</b>	ARGUSA® BT-05-304 Simple High Post (Cars)	1200 mm x 280 mm x 339 mm	115 mm x 180 mm	AISI 304 STAINLESS STEEL	Fixed	Simple high post (for Cars), manufactured in AISI-304 stainless steel mechanized to adapt standard card readers. (For inside installation).	<b>525,00 €</b>
	<b>BT-05-316</b>	ARGUSA® BT-05-316 Simple High Post (Cars)	1200 mm x 280 mm x 339 mm	115 mm x 180 mm	AISI 316 STAINLESS STEEL	Fixed	Simple high post (for Cars), manufactured in AISI-316 stainless steel mechanized to adapt standard card readers. (For inside or outside installation).	<b>551,00 €</b>
	<b>BT-10-304</b>	ARGUSA® BT-10-304 Double High Post (Trucks)	2006 mm x 350 mm x 296 mm	115 mm x 180 mm (2)	AISI 304 STAINLESS STEEL	Fixed	Double high post (for Cars and Trucks), manufactured in stainless steel AISI 304, and mechanized to adapt standard card readers. (For inside installation).	<b>923,00 €</b>
	<b>BT-10-316</b>	ARGUSA® BT-10-316 Double High Post (Trucks)	2006 mm x 350 mm x 296 mm	115 mm x 180 mm (2)	AISI 316 STAINLESS STEEL	Fixed	Double high post (for Cars and Trucks), manufactured in stainless steel AISI-316, and mechanized to adapt standard card readers. (For inside or outside installation).	<b>966,00 €</b>

# 2.3 | SUPPORT ELEMENTS

## Aux Elements for Controlled Access Lanes


### AUTOMATIC SYSTEMS® Posts for Vehicles Access

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>E/ B235/001</b>	AUTOMATIC SYSTEMS® Simple High Post (Cars)	1100 mm x 270 mm x 270 mm	400 mm x 210 mm	RAL 2000 ORANGE	Fixed	BOR 235 - Simple High pedestal - For private car	<b>650,00 €</b>
	<b>E/ B235/002</b>	AUTOMATIC SYSTEMS® Double High Post (Trucks)	2150 mm x 270 mm x 270 mm	400 mm x 210 mm (2)	RAL 2000 ORANGE	Fixed	BOR 235 - Double High pedestal - For truck	<b>1.150,00 €</b>
	<b>E/ B235/003</b>	AUTOMATIC SYSTEMS® Simple High Post (Double Sided)	1100 mm x 270 mm x 270 mm	400 mm x 210 mm	RAL 2000 ORANGE	Fixed	BOR 235 - Simple High pedestal - Double face - For private car	<b>750,00 €</b>
	<b>E/ B235/004</b>	AUTOMATIC SYSTEMS® Double High Post (Double Sided)	2150 mm x 270 mm x 270 mm	400 mm x 210 mm (2)	RAL 2000 ORANGE	Fixed	BOR 235 - Double High pedestal - Double face - For private cars and trucks	<b>1.250,00 €</b>

### Accessories regarding to AUTOMATIC SYSTEMS® Posts for Vehicles Access

P/N	Description	List Price
OP/VEH/202	Not standard RAL - depending on amount.	<b>CONSULT</b>
OP/VEH/196	Treatment for aggressive environments.	<b>CONSULT</b>
OP/VEH/193	High base 20cm.	<b>175,00 €</b>
OP/VEH/194	High base 50cm.	<b>215,00 €</b>




### AUTOMATIC SYSTEMS® Posts & Columns

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>E/ PST1/001</b>	Simple Height AUTOMATIC SYSTEMS® Post	1100 mm x 150 mm x 50 mm	N/A	RAL 2000 ORANGE	Fixed	Post for integration of readers - Simple height - For car	<b>265,00 €</b>

# 2.3 | SUPPORT ELEMENTS

## Aux Elements for Controlled Access Lanes



### AUTOMATIC SYSTEMS® Posts & Columns

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>E/ PST2/001</b>	Double Height AUTOMATIC SYSTEMS® Post	2200 mm x 150 mm x 100 mm	N/A	RAL 2000 ORANGE	Fixed	Post for integration of readers - Double height - For car & truck	<b>430,00 €</b>
	<b>E/ COLB/001</b>	AUTOMATIC SYSTEMS® Column for Integrations (INOX)	1160mm x 275 mm (L*Ø)	115 mm x 370 mm	AISI 304 STAINLESS STEEL	Fixed	Column for integration of accessories - Stainless Steel.	<b>3.800,00 €</b>
	<b>E/ COLB/002</b>	AUTOMATIC SYSTEMS® Column for Integrations (RAL)	1160 mm x 275 mm (L*Ø)	115 mm x 370 mm	RAL 2000 ORANGE	Fixed	Column for integration of accessories - Painted Iron.	<b>3.300,00 €</b>

### Accessories regarding to AUTOMATIC SYSTEMS® Posts & Columns

P/N	Description	List Price
OP/VEH/202	Not standard RAL - depending on amount.	<b>CONSULT</b>
OP/VEH/196	Treatment for aggressive environments.	<b>CONSULT</b>
OP/VEH/209	High base 20cm.	<b>320,00 €</b>
OP/VEH/210	High base 50cm.	<b>200,00 €</b>





### AUTOMATIC SYSTEMS® Security and Safety Elements

	P/N	Model	Size	Voltage	Finished	Installation	Description	List Price
	<b>OP/ VEH/208</b>	AUTOMATIC SYSTEMS® LED Traffic (Integrated)	270 mm x 770 mm	230 VAC (13,5 W)	BLACK	REMOVABLE (SCREWED ON TO A POST)	LED Traffic light (Ø 100) - red / green - Integrated.	<b>380,00 €</b>
	<b>OP/ VEH/081</b>	AUTOMATIC SYSTEMS® LED Traffic (Fixed)	270 mm x 770 mm	230 VAC (13,5 W)	BLACK	REMOVABLE (SCREWED ON TO A POST)	LED Traffic light, fixed in body (200 mm) red / green	<b>1.000,00 €</b>

# 2.3 | SUPPORT ELEMENTS

## Aux Elements for Controlled Access Lanes


### AUTOMATIC SYSTEMS® Security and Safety Elements

	P/N	Model	Size	Voltage	Finished	Installation	Description	List Price
	<b>OP/VEH/082</b>	AUTOMATIC SYSTEMS® LED Traffic (Fixed)	270 mm x 485 mm	230 VAC (13,5 W)	BLACK	REMOVABLE (SCREWED ON TO A POST)	LED Traffic light, fixed in body (200 mm) orange	<b>1.000,00 €</b>
	<b>OP/VEH/083</b>	AUTOMATIC SYSTEMS® Red/Green LED Traffic	270 mm x 770 mm	230 VAC (13,5 W)	BLACK	REMOVABLE (SCREWED ON TO A POST)	LED Traffic light, only red / green	<b>800,00 €</b>
	<b>OP/VEH/085</b>	AUTOMATIC SYSTEMS® Orange LED Traffic	270 mm x 485 mm	230 VAC (13,5 W)	BLACK	REMOVABLE (SCREWED ON TO A POST)	LED Traffic light, only orange	<b>800,00 €</b>
	<b>OP/VEH/088</b>	AUTOMATIC SYSTEMS® Traffic Light Post	Height: 2700 mm	N/A	RAL 2000 ORANGE	FIXED	Traffic light post	<b>205,00 €</b>

### Accessories regarding to AUTOMATIC SYSTEMS® Security and Safety Elements

P/N	Description	List Price
OP/VEH/202	Not standard RAL - depending on amount.	<b>CONSULT</b>
OP/VEH/196	Treatment for aggressive environments.	<b>CONSULT</b>
OP/VEH/209	Heater - Max 3 bollards.	<b>320,00 €</b>
OP/VEH/210	Not standard RAL.	<b>200,00 €</b>


### Pedestals for Cameras Support

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>EM-BC-03</b>	EMACS® BC-03 SRM Pedestals	3000 mm (Height) x 100 mm (diameter)	N/A	STAINLESS STEEL	Fixed	Pedestal of 3 meters for light traffic or camera support. Cylindrical column. 100 mm diameter tip and 2 mm thick. Hot dip galvanized according to ISO standards. Includes lock plate 300x300 mm floor, with holes 215 x 215 distance mm, with 4 bolts 16 x 400 mm.	<b>492,00 €</b>

# 2.3 | SUPPORT ELEMENTS

## Aux Elements for Controlled Access Lanes

### Pedestals for Cameras Support

	P/N	Model	Size	Window	Finished	Installation	Description	List Price
	<b>EM-BC-04</b>	EMACS® BC-04 SRM Pedestals	4000 mm (Height) x 100 mm (diameter)	N/A	STAINLESS STEEL	Fixed	Pedestal of 4 meters for light traffic or camera support. Cylindrical column. 100 mm diameter tip and 2 mm thick. Hot dip galvanized according to ISO standards. Includes lock plate 300x300 mm floor, with holes 215 x 215 distance mm, with 4 bolts 16 x 400 mm.	<b>592,00 €</b>

### Cameras Support Pedestars' Accesories

P/N	Description	List Price
EM-MH-50	Rabbit concrete to support pedestal or totem. 50x50. Estimated time: about 2 days.	<b>295,00 €</b>

# 2.4 | MARKING ELEMENTS AND ROADS PROTECTION

## Passive Elements for Traffic Flow Management

### Bollards and milestones

P/N	Description	List Price
300-0001	Fixed small bollard Ø 500 x 100 mm	80,63 €
300-0002	Small bollard with spring Ø 500 x 100 mm	99,00 €
300-0003	Small bollard removable Ø 500 x 100 mm	161,38 €
300-0004	Fixed big bollard Ø 500 x 100 mm	121,00 €
300-0005	Big bollard with spring Ø 500 x 100 mm	135,63 €
300-0006	Big bollard removable Ø 500 x 100 mm	198,00 €
300-0007	Removable milestone. Red / White steel. 1000x70x70mm	91,63 €
300-0008	Base for steel milestone. Red White. 1000x70x70mm	110,00 €
300-0009	Polyethylene bollard with hitch. Yellow. 1000x120mm	172,38 €
300-0010	Polyethylene bollard with hitch. Black. 1000x120mm	121,00 €
300-0011	Polypropylene bollard resistant, yellow. 996x100mm	135,63 €
300-0012	Polypropylene bollard resistant, black. 996x100mm	198,00 €
300-0013	Black base milestone polyethylene + screws	268,38 €

### Speed reducers

P/N	Description	List Price
305-0001	Reducer 400 x 500 x 30 mm (central)	55,63 €
305-0002	Reducer 400x 250 x 30 mm (female terminal)	29,00 €
305-0003	Reducer 400x 250 x 30 mm (male terminal)	29,00 €
305-0004	Reducer 400 x 500 x 50 mm (central)	68,63 €
305-0005	Reducer 400 x 250 x 50 mm (female terminal)	31,75 €
305-0006	Reducer 400 x 250 x 50 mm (male terminal)	31,75 €
305-0007	Reducer 500 x 500 x 30 mm (central)	65,00 €
305-0008	Reducer 500 x 250 x 30 mm (female terminal)	30,88 €
305-0009	Reducer 500 x 250 x 30 mm (male terminal)	30,88 €

# 2.4 | ELEMENTOS DE BALIZAMIENTO Y PROTECTION PARA LANES

## Passive Elements for Traffic Flow Management

### Speed reducers

P/N	Description	List Price
305-0010	Reducer 500 x 500 x 50 mm (central)	80,88 €
305-0011	Reducer 500 x 250 x 50 mm (female lateral)	41,25 €
305-0012	Reducer 500 x 250 x 50 mm (male lateral)	41,25 €
305-0021	Circular High Reducer 40 x Ø 220 mm	13,88 €
305-0031	Portable speed reducer 3000x250x25mm	455,50 €

### Cones

P/N	Description	List Price
320-0001	Polyethylene cone and rubber base 500 mm	16,38 €
320-0002	Polyethylene cone and rubber base 750 mm	22,50 €
320-0003	Polyethylene cone and rubber base 1000 mm	29,13 €
320-0004	Yellow/black cone. Height: 500 mm	39,13 €



# 3.0 | BARRIERS







Manual and Automatic Operation



# 3.1 | MANUAL ACCESS

## Access Control for Low Pass Frequency Areas

### AUTOMATIC SYSTEMS® BL10 Barriers

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BL10/003</b>	AUTOMATIC SYSTEMS® BL10 Barrier (3 meters)	By default RAL 2000 ORANGE	Manual	3 mm thick sheet	3 meters, round (1 section)	Manual barrier. Electrogalvanised 3mm-thick sheet steel frame folded and welded on to a 10mm-thick base. Locking of the barrier in a vertical or horizontal position by padlockable pin. Round boom made of extruded aluminium alloy, 1 section. Standard ral colors: RAL 2000 orange (other colors available). Round boom length: 3 meters. Fixing frame not provided.	<b>1.300,00 €</b>
	<b>E/ BL10/004</b>	AUTOMATIC SYSTEMS® BL10 Barrier (4 meters)	By default RAL 2000 ORANGE	Manual	3 mm thick sheet	4 meters, round (1 section)	Manual barrier. Electrogalvanised 3mm-thick sheet steel frame folded and welded on to a 10mm-thick base. Locking of the barrier in a vertical or horizontal position by padlockable pin. Round boom made of extruded aluminium alloy, 1 section. Standard ral colors: RAL 2000 orange (other colors available). Round boom length: 4 meters. Fixing frame not provided.	<b>1.350,00 €</b>
	<b>E/ BL10/005</b>	AUTOMATIC SYSTEMS® BL10 Barrier (5 meters)	By default RAL 2000 ORANGE	Manual	3 mm thick sheet	5 meters, round (1 section)	Manual barrier. Electrogalvanised 3mm-thick sheet steel frame folded and welded on to a 10mm-thick base. Locking of the barrier in a vertical or horizontal position by padlockable pin. Round boom made of extruded aluminium alloy, 1 section. Standard ral colors: RAL 2000 orange (other colors available). Round boom length: 5 meters. Fixing frame not provided.	<b>1.400,00 €</b>
	<b>E/ BL10/006</b>	AUTOMATIC SYSTEMS® BL10 Barrier (6 meters)	By default RAL 2000 ORANGE	Manual	3 mm thick sheet	6 meters, round (1 section)	Manual barrier. Electrogalvanised 3mm-thick sheet steel frame folded and welded on to a 10mm-thick base. Locking of the barrier in a vertical or horizontal position by padlockable pin. Round boom made of extruded aluminium alloy, 2 sections. Standard ral colors: RAL 2000 orange (other colors available). Round boom length: 6 meters. Fixing frame not provided.	<b>1.700,00 €</b>
	<b>E/ BL10/007</b>	AUTOMATIC SYSTEMS® BL10 Barrier (7 meters)	By default RAL 2000 ORANGE	Manual	3 mm thick sheet	7 meters, round (1 section)	Manual barrier. Electrogalvanised 3mm-thick sheet steel frame folded and welded on to a 10mm-thick base. Locking of the barrier in a vertical or horizontal position by padlockable pin. Round boom made of extruded aluminium alloy, 2 sections. Standard ral colors: RAL 2000 orange (other colors available). Round boom length: 7 meters. Fixing frame not provided.	<b>1.800,00 €</b>
	<b>E/ BL10/008</b>	AUTOMATIC SYSTEMS® BL10 Barrier (8 meters)	By default RAL 2000 ORANGE	Manual	3 mm thick sheet	8 meters, round (1 section)	Manual barrier. Electrogalvanised 3mm-thick sheet steel frame folded and welded on to a 10mm-thick base. Locking of the barrier in a vertical or horizontal position by padlockable pin. Round boom made of extruded aluminium alloy, 2 sections. Standard ral colors: RAL 2000 orange (other colors available). Round boom length: 8 meters. Fixing frame not provided.	<b>1.900,00 €</b>

### Options and accessories for AUTOMATIC SYSTEMS® BL10 Barriers

P/N	Description	List Price
OP/VEH/053	Tip support locked with padlock. (Padlock not provided).	<b>200,00 €</b>
OP/VEH/055	Standard tip support - Fixed at a height of 830 mm.	<b>185,00 €</b>
OP/VEH/061	Folding tip support.	<b>215,00 €</b>

# 3.1 | MANUAL ACCESS

## Access Control for Low Pass Frequency Areas

Options and accessories for AUTOMATIC SYSTEMS® BL10 Barriers






P/N	Description	List Price
OP/VEH/097	Aluminium traffic sign.	65,00 €
OP/VEH/104	Not standard RAL colors (for barrier - consult for various units).	155,00 €

# 3.2

## AUTOMATIC RISING BARRIER

Automatic Barriers for Intensive and Semi-Intensive Use

### AUTOMATIC SYSTEMS® Vehicle Automatic Rising Barrier (up to 4m) (BL15)

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BL15/001</b>	AUTOMATIC SYSTEMS® BL15 Barrier (2 meters)	By default RAL 2000 ORANGE	Adjustable between 1, 2 and 3 seconds (1500 vehicles/h)	IP55	2 meters, oval of 80 x 54 mm section	Automatic Rising Barrier. Aluminum cast sole plate. Anodized aluminum frame. Electrical power supply - Single phased 230 VAC - 50/60 Hz + ground. Opening time adjustable between 1,2 and 3s (Allowing the passage of 1500 vehicles/h). Operating temperature between -10 and +60°C. IP55. Lacquered aluminum housing panels (4 colors, by default RAL 2000 orange). Aluminum cast hood, locked by key. Oval aluminum arm of section 80 x 54 mm, lacquered white (RAL 9010) with red reflective strips. Arm length: 2 meters.	<b>1.700,00 €</b>
	<b>E/ BL15/002</b>	AUTOMATIC SYSTEMS® BL15 Barrier (2.5 meters)	By default RAL 2000 ORANGE	Adjustable between 1, 2 and 3 seconds (1500 vehicles/h)	IP55	2.5 meters, oval of 80 x 54 mm section	Automatic Rising Barrier. Aluminum cast sole plate. Anodized aluminum frame. Electrical power supply - Single phased 230 VAC - 50/60 Hz + ground. Opening time adjustable between 1,2 and 3s (Allowing the passage of 1500 vehicles/h). Operating temperature between -10 and +60°C. IP55. Lacquered aluminum housing panels (4 colors, by default RAL 2000 orange). Aluminum cast hood, locked by key. Oval aluminum arm of section 80 x 54 mm, lacquered white (RAL 9010) with red reflective strips. Arm length: 2,5 meters.	<b>1.750,00 €</b>
	<b>E/ BL15/003</b>	AUTOMATIC SYSTEMS® BL15 Barrier (3 meters)	By default RAL 2000 ORANGE	Adjustable between 1, 2 and 3 seconds (1500 vehicles/h)	IP55	3 meters, oval of 80 x 54 mm section	Automatic Rising Barrier. Aluminum cast sole plate. Anodized aluminum frame. Electrical power supply - Single phased 230 VAC - 50/60 Hz + ground. Opening time adjustable between 1,2 and 3s (Allowing the passage of 1500 vehicles/h). Operating temperature between -10 and +60°C. IP55. Lacquered aluminum housing panels (4 colors, by default RAL 2000 orange). Aluminum cast hood, locked by key. Oval aluminum arm of section 80 x 54 mm, lacquered white (RAL 9010) with red reflective strips. Arm length: 3 meters.	<b>1.800,00 €</b>
	<b>E/ BL15/004</b>	AUTOMATIC SYSTEMS® BL15 Barrier (3.5 meters)	By default RAL 2000 ORANGE	Adjustable between 1, 2 and 3 seconds (1500 vehicles/h)	IP55	3.5 meters, oval of 80 x 54 mm section	Automatic Rising Barrier. Aluminum cast sole plate. Anodized aluminum frame. Electrical power supply - Single phased 230 VAC - 50/60 Hz + ground. Opening time adjustable between 1,2 and 3s (Allowing the passage of 1500 vehicles/h). Operating temperature between -10 and +60°C. IP55. Lacquered aluminum housing panels (4 colors, by default RAL 2000 orange). Aluminum cast hood, locked by key. Oval aluminum arm of section 80 x 54 mm, lacquered white (RAL 9010) with red reflective strips. Arm length: 3,5 meters.	<b>1.850,00 €</b>
	<b>E/ BL15/005</b>	AUTOMATIC SYSTEMS® BL15 Barrier (4 meters)	By default RAL 2000 ORANGE	Adjustable between 1, 2 and 3 seconds (1500 vehicles/h)	IP55	4 meters, oval of 80 x 54 mm section	Automatic Rising Barrier. Aluminum cast sole plate. Anodized aluminum frame. Electrical power supply - Single phased 230 VAC - 50/60 Hz + ground. Opening time adjustable between 1,2 and 3s (Allowing the passage of 1500 vehicles/h). Operating temperature between -10 and +60°C. IP55. Lacquered aluminum housing panels (4 colors, by default RAL 2000 orange). Aluminum cast hood, locked by key. Oval aluminum arm of section 80 x 54 mm, lacquered white (RAL 9010) with red reflective strips. Arm length: 4 meters.	<b>1.900,00 €</b>

### Options and accessories for AUTOMATIC SYSTEMS® BL15 Barriers

P/N	Description	List Price
OP/VEH/002	Articulated oval arm.	<b>350,00 €</b>
OP/VEH/021	Arm swing-off + arm swing off detection.	<b>160,00 €</b>
OP/VEH/037	Rubber protection profile.	<b>CONS</b>
OP/VEH/053	Standard tip support - Fixed at a height of 830 mm	<b>185,00 €</b>
OP/VEH/055	Support adjustable on height.	<b>285,00 €</b>
OP/VEH/067	Electromagnetic support.	<b>440,00 €</b>
OP/VEH/097	Aluminium traffic sign.	<b>65,00 €</b>






# 3.2

## AUTOMATIC RISING BARRIER Automatic Barriers for Intensive and Semi-Intensive Use

Options and accessories for AUTOMATIC SYSTEMS® BL15 Barriers

P/N	Description	List Price
OP/VEH/104	Not standard RAL colors (for barrier - consult for various units).	155,00 €
OP/VEH/111	Treatment for aggressive environments - Less than six units - Price per unit.	620,00 €
OP/VEH/112	Treatment for aggressive environments - Equal to or more that 6 - Price per unit.	515,00 €
OP/VEH/073	Detector of open doors - dry contact.	55,00 €
OP/VEH/075	LED function pictograms on hood.	105,00 €
OP/VEH/076	Arm LED lighting - Includes 2 pairs.	200,00 €

AUTOMATIC SYSTEMS® Barriers up to 6 Metres (BL229)

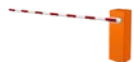
P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
 <b>E/ B229/002</b>	AUTOMATIC SYSTEMS® BL229 Barrier (2.0 meters)	By default RAL 2000 ORANGE	From 1 to 4 seconds, depends on the length of the boom	IP44	2 meters	Universal rising barrier with high performances. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W (at maximum speed and without options). Gearbox, Life-lubricated worm-screw speed reduction unit. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 84 mm. Operational temperature between -20 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cataphoresis and two coats of structured paint.	2.500,00 €
 <b>E/ B229/003</b>	AUTOMATIC SYSTEMS® BL229 Barrier (2.5-3.0 meters)	By default RAL 2000 ORANGE	From 1 to 4 seconds, depends on the length of the boom	IP44	Between 2.5 and 3 meters	Universal rising barrier with high performances. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W (at maximum speed and without options). Gearbox, Life-lubricated worm-screw speed reduction unit. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 84 mm. Operational temperature between -20 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cataphoresis and two coats of structured paint.	2.550,00 €
 <b>E/ B229/004</b>	AUTOMATIC SYSTEMS® BL229 Barrier (3.5-4.0 meters)	By default RAL 2000 ORANGE	From 1 to 4 seconds, depends on the length of the boom	IP44	Between 3.5 and 4 meters	Universal rising barrier with high performances. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W (at maximum speed and without options). Gearbox, Life-lubricated worm-screw speed reduction unit. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 84 mm. Operational temperature between -20 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cataphoresis and two coats of structured paint.	2.600,00 €
 <b>E/ B229/045</b>	AUTOMATIC SYSTEMS® BL229 Barrier (4.5 meters)	By default RAL 2000 ORANGE	From 1 to 4 seconds, depends on the length of the boom	IP44	4.5 meters	Universal rising barrier with high performances. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W (at maximum speed and without options). Gearbox, Life-lubricated worm-screw speed reduction unit. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 84 mm. Operational temperature between -20 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cataphoresis and two coats of structured paint.	2.650,00 €
 <b>E/ B229/005</b>	AUTOMATIC SYSTEMS® BL229 Barrier (5.0 meters)	By default RAL 2000 ORANGE	From 1 to 4 seconds, depends on the length of the boom	IP44	5 meters	Universal rising barrier with high performances. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W (at maximum speed and without options). Gearbox, Life-lubricated worm-screw speed reduction unit. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 84 mm. Operational temperature between -20 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cataphoresis and two coats of structured paint.	2.850,00 €

# 3.2

## AUTOMATIC RISING BARRIER

Automatic Barriers for Intensive and Semi-Intensive Use

### AUTOMATIC SYSTEMS® Barriers up to 6 Metres (BL229)

P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
 <b>E/ B229/006</b>	AUTOMATIC SYSTEMS® BL229 Barrier (5.5-6.0 meters)	By default RAL 2000 ORANGE	From 1 to 4 seconds, depends on the length of the boom	IP44	Between 5.5 and 6 meters	Universal rising barrier with high performances. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W (at maximum speed and without options). Gearbox, Life-lubricated worm-screw speed reduction unit. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 84 mm. Operational temperature between -20 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by cathaphoresis and two coats of structured paint.	<b>3.150,00 €</b>

### Options (Some are required) for AUTOMATIC SYSTEMS® BL229 Barriers







P/N	Description	List Price
OP/VEH/001	Articulated oval arm.	<b>555,00 €</b>
OP/VEH/003	Flat folding arm.	<b>280,00 €</b>
OP/VEH/005	Aluminium rigid folding skirt for round arm	<b>165,00 €</b>
OP/VEH/021	Arm swing-off device in case of vehicle impact - Includes detector for arm swing-off.	<b>160,00 €</b>
OP/VEH/037	Rubber protection profile.	<b>60,00 €</b>
OP/VEH/047	Sensor for accurate boom movement management with inductive sensor - IP65	<b>150,00 €</b>
OP/VEH/049	Double limit switches for information on BL status in the event of power failure.	<b>80,00 €</b>
OP/VEH/190	Support adjustable on height.	<b>185,00 €</b>
OP/VEH/057	Electromagnetic support.	<b>440,00 €</b>
OP/VEH/061	Foldable support on the end of the arm.	<b>215,00 €</b>
OP/VEH/071	Protection switches in case of door and cover opening. Cooling fan for Variable Speed Controller.	<b>105,00 €</b>
OP/VEH/111	Treatment for aggressive environments - Less than six units - Price per unit.	<b>620,00 €</b>
OP/VEH/112	Treatment for aggressive environments - Equal to or more that 6 - Price per unit.	<b>515,00 €</b>
OP/VEH/128	Weekly programmer.	<b>180,00 €</b>
OP/VEH/129	Annual programmer.	<b>685,00 €</b>
OP/VEH/132	Key switch on housing - Automatic / locked open / locked closed.	<b>145,00 €</b>

# 3.2

## AUTOMATIC RISING BARRIER

Automatic Barriers for Intensive and Semi-Intensive Use

### AUTOMATIC SYSTEMS® Barriers up to 8 Meters (BL40)




	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BL40/003</b>	AUTOMATIC SYSTEMS® BL40 Barrier (3.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	3 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Medium and large sized access. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 100 -90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint	<b>3.600,00 €</b>
	<b>E/ BL40/004</b>	AUTOMATIC SYSTEMS® BL40 Barrier (3.5-4.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 3.5 and 4 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Medium and large sized access. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 100 -90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint	<b>3.700,00 €</b>
	<b>E/ BL40/005</b>	AUTOMATIC SYSTEMS® BL40 Barrier (4.5-5.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 4.5 and 5 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Medium and large sized access. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 100 -90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint	<b>3.800,00 €</b>
	<b>E/ BL40/006</b>	AUTOMATIC SYSTEMS® BL40 Barrier (5.5-6.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 5.5 and 6 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Medium and large sized access. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 100 -90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint	<b>4.100,00 €</b>
	<b>E/ BL40/007</b>	AUTOMATIC SYSTEMS® BL40 Barrier (6.5-7.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 6.5 and 7 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Medium and large sized access. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 100 -90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint	<b>4.200,00 €</b>
	<b>E/ BL40/008</b>	AUTOMATIC SYSTEMS® BL40 Barrier (7.5-8.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 7.5 and 8 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Medium and large sized access. Electrical Power supply - Single phase 230VAC, 50/60Hz + Ground. Nominal power consumption 335 W. Aluminium tube boom arm, varnished white with red reflecting stripes and end-sealing, with round section diameter 100 -90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint	<b>4.300,00 €</b>

# 3.2

## AUTOMATIC RISING BARRIER

Automatic Barriers for Intensive and Semi-Intensive Use

### AUTOMATIC SYSTEMS® Barriers up to 12 Meters (BL41)






	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BL41/006</b>	AUTOMATIC SYSTEMS® BL41 Barrier (6.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	6 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>4.350,00 €</b>
	<b>E/ BL41/007</b>	AUTOMATIC SYSTEMS® BL41 Barrier (6.5-7.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 6.5 and 7 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>4.550,00 €</b>
	<b>E/ BL41/008</b>	AUTOMATIC SYSTEMS® BL41 Barrier (7.5-8.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 7.5 and 8 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>4.750,00 €</b>
	<b>E/ BL41/009</b>	AUTOMATIC SYSTEMS® BL41 Barrier (8.5-9.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 8.5 and 9 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>5.000,00 €</b>
	<b>E/ BL41/010</b>	AUTOMATIC SYSTEMS® BL41 Barrier (9.5-10.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 9.5 and 10 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>5.300,00 €</b>
	<b>E/ BL41/011</b>	AUTOMATIC SYSTEMS® BL41 Barrier (10.5-11.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 10.5 and 11 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>5.600,00 €</b>
	<b>E/ BL41/012</b>	AUTOMATIC SYSTEMS® BL41 Barrier (11.5-12.0 meters)	RAL 2000 ORANGE	3,5 seconds minimum, adjustable depending on the boom	IP44	Between 11.5 and 12 meters, round (2 or 3 segments)	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply - Single-phase 230VAC, 50/60Hz. Nominal Power: 450 W. Round central aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other of a diameter of 100 - 90 - 84 mm. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>5.900,00 €</b>

# 3.3



## HIGHWAYS

### Access Control for High Pass Frequency Areas (Tolls)

#### AUTOMATIC SYSTEMS® Barriers up to 3 meters (BL229 Toll)

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ T229/000</b>	AUTOMATIC SYSTEMS® BL229 Toll Barrier (without arm)	RAL 2000 ORANGE	Between 0.6 to 1.7 seconds minimum, adjustable depending on the boom	IP44	WITHOUT BOOM	Rising barrier with high performances. Electrical power supply - Single-phase 230VAC, 50/60Hz + Ground. Nominal power consumption: 335 W (at maximum speed and without options). Gearbox - Life-lubricated worm-screw speed reduction unit. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by two coats of structured paint.	<b>2.740,00 €</b>
	<b>E/ T229/025</b>	AUTOMATIC SYSTEMS® BL229 Toll Barrier (2.5 meters)	RAL 2000 ORANGE	Between 0.6 to 1.7 seconds minimum, adjustable depending on the boom	IP44	2.5 meters	Rising barrier with high performances. Electrical power supply - Single-phase 230VAC, 50/60Hz + Ground. Nominal power consumption: 335 W (at maximum speed and without options). Gearbox - Life-lubricated worm-screw speed reduction unit. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by two coats of structured paint.	<b>2.680,00 €</b>
	<b>E/ T229/003</b>	AUTOMATIC SYSTEMS® BL229 Toll Barrier (3.0 meters)	RAL 2000 ORANGE	Between 0.6 to 1.7 seconds minimum, adjustable depending on the boom	IP44	3 meters	Rising barrier with high performances. Electrical power supply - Single-phase 230VAC, 50/60Hz + Ground. Nominal power consumption: 335 W (at maximum speed and without options). Gearbox - Life-lubricated worm-screw speed reduction unit. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by two coats of structured paint.	<b>2.700,00 €</b>
	<b>E/ T229/035</b>	AUTOMATIC SYSTEMS® BL229 Toll Barrier (3.5 meters)	RAL 2000 ORANGE	Between 0.6 to 1.7 seconds minimum, adjustable depending on the boom	IP44	3.5 meters	Rising barrier with high performances. Electrical power supply - Single-phase 230VAC, 50/60Hz + Ground. Nominal power consumption: 335 W (at maximum speed and without options). Gearbox - Life-lubricated worm-screw speed reduction unit. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by two coats of structured paint.	<b>2.720,00 €</b>
	<b>E/ T229/004</b>	AUTOMATIC SYSTEMS® BL229 Toll Barrier (4.0 meters)	RAL 2000 ORANGE	Between 0.6 to 1.7 seconds minimum, adjustable depending on the boom	IP44	4 meters	Rising barrier with high performances. Electrical power supply - Single-phase 230VAC, 50/60Hz + Ground. Nominal power consumption: 335 W (at maximum speed and without options). Gearbox - Life-lubricated worm-screw speed reduction unit. Operational temperature between -25 and +50°C (without optional heating). Housing made of folded and welded sheet steel, from 2 to 6 mm thick, protected by two coats of structured paint.	<b>5.900,00 €</b>

#### AUTOMATIC SYSTEMS® Barriers up to 4 Meters (BL261 for Tolls)




	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ B261/000</b>	AUTOMATIC SYSTEMS® BL261 Toll-Plus Barrier (Without Arm)	RAL 2000 ORANGE	From 0,6 seconds minimum (50 vehicles/min)	IP55	WITHOUT BOOM	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Housing made of folded and welded sheet steel, from 1,5 to 5 mm thick, protected by two coats of structured paint.	<b>2.500,00 €</b>
	<b>E/ B261/001</b>	AUTOMATIC SYSTEMS® BL261 Toll-Plus Barrier (2.5 meters)	RAL 2000 ORANGE	From 0,6 seconds minimum (50 vehicles/min)	IP55	2.5 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Housing made of folded and welded sheet steel, from 1,5 to 5 mm thick, protected by two coats of structured paint.	<b>2.640,00 €</b>

# 3.3





## HIGHWAYS

### Access Control for High Pass Frequency Areas (Tolls)

#### AUTOMATIC SYSTEMS® Barriers up to 4 Meters (BL261 for Tolls)

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ B261/002</b>	AUTOMATIC SYSTEMS® BL261 Toll-Plus Barrier (3,0 meters)	RAL 2000 ORANGE	From 0,6 seconds minimum (50 vehicles/min)	IP55	3 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Housing made of folded and welded sheet steel, from 1,5 to 5 mm thick, protected by two coats of structured paint.	<b>2.660,00 €</b>
	<b>E/ B261/003</b>	AUTOMATIC SYSTEMS® BL261 Toll-Plus Barrier (3.5 meters)	RAL 2000 ORANGE	From 0,6 seconds minimum (50 vehicles/min)	IP55	3.5 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Housing made of folded and welded sheet steel, from 1,5 to 5 mm thick, protected by two coats of structured paint.	<b>2.680,00 €</b>
	<b>E/ B261/004</b>	AUTOMATIC SYSTEMS® BL261 Toll-Plus Barrier (4 meters)	RAL 2000 ORANGE	From 0,6 seconds minimum (50 vehicles/min)	IP55	4 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Housing made of folded and welded sheet steel, from 1,5 to 5 mm thick, protected by two coats of structured paint.	<b>2.700,00 €</b>

#### AUTOMATIC SYSTEMS® Barriers up to 4 Meters (BL262 for Tolls)

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ B262/000</b>	AUTOMATIC SYSTEMS® BL262 Toll-Plus Barrier (without arm)	RAL 2000 ORANGE (Double layer)	From 0,6 seconds minimum (50 vehicles/min)	IP55	WITHOUT BOOM	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Boom swing-off system in case of impact with swing-off sensor. Housing made of folded and welded sheet steel, from 2 to 5 mm thick, protected by two coats of structured paint.	<b>2.640,00 €</b>
	<b>E/ B262/001</b>	AUTOMATIC SYSTEMS® BL262 Toll-Plus Barrier (2.5 meters)	RAL 2000 ORANGE (Double layer)	From 0,6 seconds minimum (50 vehicles/min)	IP55	2.5 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Boom swing-off system in case of impact with swing-off sensor. Housing made of folded and welded sheet steel, from 2 to 5 mm thick, protected by two coats of structured paint.	<b>2.780,00 €</b>
	<b>E/ B262/002</b>	AUTOMATIC SYSTEMS® BL262 Toll-Plus Barrier (3.0 meters)	RAL 2000 ORANGE (Double layer)	From 0,6 seconds minimum (50 vehicles/min)	IP55	3 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Boom swing-off system in case of impact with swing-off sensor. Housing made of folded and welded sheet steel, from 2 to 5 mm thick, protected by two coats of structured paint.	<b>2.800,00 €</b>
	<b>E/ B262/003</b>	AUTOMATIC SYSTEMS® BL262 Toll-Plus Barrier (3.5 meters)	RAL 2000 ORANGE (Double layer)	From 0,6 seconds minimum (50 vehicles/min)	IP55	3.5 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from -20° C to +60° C (without optional heating). Boom swing-off system in case of impact with swing-off sensor. Housing made of folded and welded sheet steel, from 2 to 5 mm thick, protected by two coats of structured paint.	<b>2.820,00 €</b>

# 3.3 | HIGHWAYS

## Access Control for High Pass Frequency Areas (Tolls)






### AUTOMATIC SYSTEMS® Barriers up to 4 Meters (BL262 for Tolls)

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ B262/004</b>	AUTOMATIC SYSTEMS® BL262 Toll-Plus Barrier (4.0 meters)	RAL 2000 ORANGE (Double layer)	From 0,6 seconds minimum (50 vehicles/min)	IP55	4 meters	Rising barrier designed for highway toll booths, with high performances. Variable speed control supplied with 230 Volts single-phase. Auto-aligning flange bearing for main shaft, lubricated for life. Three-phase reversible reduction motor brake, lubricated for life, ensures the perfect protection of the mechanism in case of malicious forced raising of the boom. Operating temperature: from - 20° C to + 60° C (without optional heating). Boom swing-off system in case of impact with swing-off sensor. Housing made of folded and welded sheet steel, from 2 to 5 mm thick, protected by two coats of structured paint.	<b>2.840,00 €</b>



# 3.4 | FENCED BARRIERS

## Industrial Safety Barriers for Wide Access Lanes

### AUTOMATIC SYSTEMS® Fenced Barrier up to 7 Meters

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BL46/003</b>	AUTOMATIC SYSTEMS® BL46 Barrier (3.0 meters)	RAL 2000 ORANGE (Double layer)	From 3,5 seconds minimum, adjustable depending on the boom	IP55	3 meters	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>6.500,00 €</b>
	<b>E/ BL46/004</b>	AUTOMATIC SYSTEMS® BL46 Barrier (3.5-4.0 meters)	RAL 2000 ORANGE (Double layer)	From 3,5 seconds minimum, adjustable depending on the boom	IP55	Between 3.5 and 4 meters	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>7.000,00 €</b>
	<b>E/ BL46/005</b>	AUTOMATIC SYSTEMS® BL46 Barrier (4.5-5.0 meters)	RAL 2000 ORANGE (Double layer)	From 3,5 seconds minimum, adjustable depending on the boom	IP55	Between 4.5 and 5 meters	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>7.500,00 €</b>
	<b>E/ BL46/006</b>	AUTOMATIC SYSTEMS® BL46 Barrier (5.5-6.0 meters)	RAL 2000 ORANGE (Double layer)	From 3,5 seconds minimum, adjustable depending on the boom	IP55	Between 5.5 and 6 meters	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other, and guyed with galvanised steel cables if longer than 5 m. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>8.100,00 €</b>
	<b>E/ BL46/007</b>	AUTOMATIC SYSTEMS® BL46 Barrier (6.5-7.0 meters)	RAL 2000 ORANGE (Double layer)	From 3,5 seconds minimum, adjustable depending on the boom	IP55	Between 6.5 and 7 meters	Rising barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other, and guyed with galvanised steel cables if longer than 5 m. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>8.600,00 €</b>





### AUTOMATIC SYSTEMS® Fenced Barrier up to 7 Meters

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BL47/004</b>	AUTOMATIC SYSTEMS® BL47 Barrier (3.35 meters)	RAL 2000 ORANGE (Double layer)	5 seconds minimum, adjustable depending on the boom	IP44	3.35 meters	Rising fenced barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>11.000,00 €</b>
	<b>E/ BL47/005</b>	AUTOMATIC SYSTEMS® BL47 Barrier (4.35 meters)	RAL 2000 ORANGE (Double layer)	5 seconds minimum, adjustable depending on the boom	IP44	4.35 meters	Rising fenced barrier for industrial environments with high performances. Possibility of closing a very wide road. Electrical power supply single-phase 230VAC, 50/60Hz. Nominal Power: 450W. Left/Right round aluminium arm, lacquered white with red reflective strips, made up of 2 or 3 segments fitting into each other. The arm is mounted with an aluminium folding fence. Solid driving shaft for the arm, diameter 50 mm, mounted on 2 bearings lubricated for life. Operating temperature: from - 25° C to +45° C (without optional heating). Sheet metal body folded and welded, from 3 to 8 mm thick, protected by two coats of structured paint.	<b>12.500,00 €</b>

# 3.4 | FENCED BARRIERS

## Industrial Safety Barriers for Wide Access Lanes

### AUTOMATIC SYSTEMS® Fenced Barrier up to 7 Meters

	P/N	Model	Body	Maneuver	Protection	Arm	Description	List Price
	<b>E/ BG77/001</b>	AUTOMATIC SYSTEMS® BLG77L Barrier	RAL 2000 ORANGE (Double layer)	From 7 to 10 seconds	Operation temperature: -25 °C a +50 °C.	Fence: 5,080m of length per 3,356m of height	The BLG 77 Barrier Fence is a unique barrier design that effectively prevents both vehicles and pedestrians from unauthorized access. The BLG 77 is typically used for medium to low traffic volume and single lane access point management. Power supply: 240V AC single phase for the main supply. Electromechanical unit includes: 3 phases instant-reversing 500 W motor. Operation temperatures: -25°C to +50°C. Electromechanically locking tip support.	<b>25.000,00 €</b>
	<b>E/ BG77/002</b>	AUTOMATIC SYSTEMS® BLG77H Barrier	RAL 2000 ORANGE (Double layer)	From 7 to 10 seconds	Operation temperature: -25 °C a +50 °C.	Fence: 5,080m of length per 2,137m of height	The BLG 77 Barrier Fence is a unique barrier design that effectively prevents both vehicles and pedestrians from unauthorized access. The BLG 77 is typically used for medium to low traffic volume and single lane access point management. Power supply: 240V AC single phase for the main supply. Electromechanical unit includes: 3 phases instant-reversing 500 W motor. Operation temperatures: -25°C to +50°C. Electromechanically locking tip support.	<b>25.000,00 €</b>
	<b>E/ BG77/003</b>	AUTOMATIC SYSTEMS® BLG77M Barrier	RAL 2000 ORANGE (Double layer)	From 7 to 10 seconds	Operation temperature: -25 °C a +50 °C.	Fence: 6,350m of length per 2,137m of height	The BLG 77 Barrier Fence is a unique barrier design that effectively prevents both vehicles and pedestrians from unauthorized access. The BLG 77 is typically used for medium to low traffic volume and single lane access point management. Power supply: 240V AC single phase for the main supply. Electromechanical unit includes: 3 phases instant-reversing 500 W motor. Operation temperatures: -25°C to +50°C. Electromechanically locking tip support.	<b>24.000,00 €</b>
	<b>E/ BG77/004</b>	AUTOMATIC SYSTEMS® BLG77LM Barrier	RAL 2000 ORANGE (Double layer)	From 7 to 10 seconds	Operation temperature: -25 °C a +50 °C.	Fence: 6,350m of length per 2,746m of height	The BLG 77 Barrier Fence is a unique barrier design that effectively prevents both vehicles and pedestrians from unauthorized access. The BLG 77 is typically used for medium to low traffic volume and single lane access point management. Power supply: 240V AC single phase for the main supply. Electromechanical unit includes: 3 phases instant-reversing 500 W motor. Operation temperatures: -25°C to +50°C. Electromechanically locking tip support.	<b>26.000,00 €</b>

# 3.5

## ACCESSORIES FOR RISING BARRIERS

Customization for Design, Security Level and Barriers Control

Accessories of detection, control and programming

P/N	Description	List Price
OP/VEH/142	Loop detector. Single channel.	206,00 €
OP/VEH/143	Loop detector. Dual channel.	250,00 €
OP/VEH/136	Car loop (2m. X 1m.)	67,50 €
OP/VEH/138	Truck loop (3,5m. X 1,5m.)	100,00 €
OP/VEH/145	Photoelectric cells - Receiver (wiring).	200,00 €
OP/VEH/146	Photoelectric cells Transmitter - Catadioptric.	200,00 €
OP/VEH/147	Post to place transmitter, receiver or reflective.	105,00 €
OP/VEH/134	Transmitter remote control - 2 chanel.	75,00 €
OP/VEH/135	Receiver remote control - 2 chanel + Antenna.	250,00 €
OP/VEH/219	Transmitter remote control - 4 chanel.	85,00 €
OP/VEH/220	Receiver remote control - 2 chanel + Antenna.	250,00 €
OP/VEH/125	Push botton boxes.	100,00 €
OP/VEH/132	*Key switch on the car body - Automatic / Locked Open / Locked Closed	145,00 €
OP/VEH/126	Control Console 2 Equipments	332,50 €
OP/VEH/127	Control Console 4 Equipments	457,50 €
OP/VEH/128	Weekly programmer.	180,00 €
OP/VEH/129	Annual programmer.	685,00 €
OP/VEH/095	*Acoustic alarm 100dB ± 5 Fixed inside the body.	215,00 €



# 4.0 | IP INTERCOMMUNICATION



Audio and Video IP Communications



# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems



### AIPHONE™ IX Series IP Video Intercoms

	P/N	Model	Interface	Protection	Audio	Video	Description	List Price
	<b>I720EX</b>	AIPHONE™ IX-BAF IP Audio Door Station	RJ45 10Base-T / 100Base-TX, PoE	IP55	600Ω, 300mV RMS	NO	The IX-BAF is an IP audio only door station for the IX Series. PoE. It will call up to 20 IX-MV masters or instances of the IX MOBILE. The door station features a form C contact for door release, a 600 ohm output for paging or an amplified speaker, and a contact input. PoE.	<b>813,17 €</b>
	<b>I723EX</b>	AIPHONE™ IX-DVF IP Audio-Video Door Station	RJ45 10Base-T / 100Base-TX, PoE	IP55	600Ω, 300mV RMS	1/4" color CMOS VGA	The IX-DVF is an IP audio and video door station for the IX Series. PoE. It will call up to 20 IX-MV masters or instances of the IX MOBILE. The door station features a stainless steel face plate, a form C contact for door release, a 600 ohm output for paging or an amplified speaker, and a contact input.	<b>1.003,50 €</b>

### Accessories for AIPHONE™ IX Series IP Video Intercoms

P/N	Description	List Price
I727CX	Box AIPHONE™ CIX for surface mount with shade for IX-BAF and IX-DVF. Inox.	<b>146,89 €</b>

### AXIS® IP / SIP Network Video Door Stations

	P/N	Model	Interface	Size	Protection	Weight	Description	List Price
	<b>0673-001</b>	AXIS® A8004-VE Network Video Door Station	RJ45 10Base-T / 100Base-TX, PoE	140 x 260 x 55.5 mm	IP66, NEMA 4X, IK08	1,87 Kg	Open, non-proprietary IP-based door station for two-way communication, identification and remote entry control. The unit includes a HDTV camera with WDR and excellent low-light performance offering reliable 24/7 identification. The product connects to existing IP network and the use of Power over Ethernet allows for installation with one single network cable. It is a robust outdoor unit with a high performing intercom function providing clear, uninterrupted an echo-free speech also in the most demanding situations.	<b>1.049,00 €</b>
	<b>0871-001</b>	AXIS® A8105-E Network Video Door Station	RJ45 10Base-T / 100Base-TX, PoE	147.5 x 35 x 48 mm	IP65, NEMA 4X	280 g	Open, non-proprietary IP-based door station for two-way communication, identification and remote entry control. The unit includes a HDTV camera with WDR and excellent low-light performance offering reliable 24/7 identification. The product connects to existing IP network and the use of Power over Ethernet allows for installation with one single network cable. It is an indoor unit with a high performing intercom function providing clear, uninterrupted an echo-free speech also in the most demanding situations.	<b>799,00 €</b>





### Accessories for AXIS® IP / SIP Network Video Door Stations

P/N	Description	List Price
5801-131	Junction Box. Recessed mount of AXIS® A8004-VE Network video door station suitable for most wall types.	<b>69,00 €</b>
5801-141	AXIS® A9801 Security Relay offers an easy and cost efficient way to improve security for doors	<b>99,00 €</b>



# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### AIPHONE™ IS Series IP Video Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>I373E3</b>	AIPHONE™ IS-DVF IP Audio-Video Door Station	RJ45 10Base-T / 100Base-TX, PoE	265 x 150 mm (caja 235 x 120 x 45 mm)	Microphone and Speaker	PTZ 1/4" color CMOS VGA	The IS-DVF is a stainless steel, flush mount video door station and is both vandal and weather resistant. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable. There is a dry contact for door release. The IS-DVF is powered by the system.	<b>419,02 €</b>
	<b>I373E5</b>	AIPHONE™ IS-SS IP Audio Door Station	RJ45 10Base-T / 100Base-TX, PoE	265 x 150 x 42 mm	Microphone and 8Ω Speaker	NO	The IS-SS is a stainless steel, flush mount audio only door station and is both vandal and weather resistant. It connects to the IS-CCU, IS-SCU, or IS-RCU using CAT-5e/6 cable. There is a dry contact for door release. The IS-SS is powered by the system.	<b>180,09 €</b>
	<b>I373E6</b>	AIPHONE™ IS-IPDV IP Audio-Video Door Station	RJ45 10Base-T / 100Base-TX, PoE	215 x 105 x 28 mm	Microphone and Speaker	PTZ 1/4" color CMOS VGA	The IS-IPDV is an IP addressable aluminum die cast, surface mount video door station and is both vandal and weather resistant. It connects directly to a network using CAT-5e/6 cable and can communicate with any master station connected to an IS-IPC, any IS-IPMV or any IS-SOFT on a network. There is a dry contact for door release. This station utilizes 802.3af-compliant power-over-ethernet, or an external 24V DC power supply, PS-2420UL.	<b>960,44 €</b>
	<b>I373E7</b>	AIPHONE™ IS-IPDVF IP Audio-Video Door Station	RJ45 10Base-T / 100Base-TX, PoE	265 x 150 x 42 mm	Microphone and Speaker	PTZ 1/4" color CMOS VGA	The IS-IPDVF is an IP addressable stainless steel, flush mount video door station and is both vandal and weather resistant. It connects directly to a network using CAT-5e/6 cable and can communicate with any master station connected to an IS-IPC, any IS-IP-MV, or any IS-SOFT on a network. There is a dry contact for door release. This station utilizes 802.3af-compliant power-over-ethernet, or an external 24V DC power supply, PS-2420UL.	<b>1.097,92 €</b>




### DAHUA™ IP Video Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>VTO2000A</b>	Outdoor DAHUA™ IP Video Intercom 1.3 Mpx	RJ45 10Base-T / 100Base-TX	129.9 x 140 x 32.2 mm	Bidirectional. Microphone and Speaker	Color 1.3MPx CMOS HD, 720P with night vision	IP Villa Outdoor Station. Stainless steel pane, IP54, IK07. Color 1.3 MP CMOS camera, support 80° wide angle lens and angle adjusting. Support mobile phone software. Call indoor monitor and management centre. Support unlock remotely. Support group call function. Flush mounted & Surface mounted. support vandal proof.	<b>191,05 €</b>
	<b>DHI- VTO1210C-X</b>	DAHUA™ IP Apartment Outdoor Station	RJ45 10Base-T / 100Base-TX	406 x 143 x 42 mm	Bidirectional. Microphone and Speaker	Color 1.3MPx CMOS HD, 720P.	3-inch STN screen, vivid pictures are on show. Stainless steel panel, mechanical buttons. Adopt TCP/IP network host, support SNMP network protocol. Network security technology, provides stable and safe operating environment. Support night vision, voice indication. Surface mounted & Flush mounted. Support card and password to open the door. IP54.	<b>19,11 €</b>





# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### Installation Elements for DAHUA™ IP Interfaces

	P/N	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>VTOB108</b>	Enclosure for DAHUA™ IP Video Intercom	145 x 134 x 88 mm	1	Metal	SURFACE	Accessory for surface mount for VTO1210C-X device.	<b>19,11 €</b>
	<b>VTOB103</b>	DAHUA™ Flush Mounted Box for VTO1210C-X	126 x 389 x 71 mm	1	Plastic	FLUSH	Flush Mounted Box for VTO1210C-X device.	<b>7,17 €</b>
	<b>VTOB110</b>	DAHUA™ Surface Mounted Box for VTO1210C-X	145 x 134 x 70 mm	1	Metal	SURFACE	Surface Mounted Box for VTO1210C-X device.	<b>64,48 €</b>







### DAHUA™ IP Modular Outdoor Stations

	P/N	Model	Size	Protection	Implements	Voltage	Description	List Price
	<b>VTO2000 A-C</b>	DAHUA™ Camera Outdoor Station IP Module	110.7 x 118.1 x 42.3 mm	IP54, IK07	Color 1.3MPx CMOS HD (720p) H.264	24 VDC	Camera Outdoor Station Module. Color camera. Day/Night camera means full visibility regardless of conditions or time. Viewing angle of 80 degrees allows for a wide field of view. To be used with CAT-5 cable. Call indoor monitor and management centre. Flush mounted & Surface mounted. Ideal for use on residential apartment blocks or business premises. 24v Passive PoE (VTNS1060A switch). IP54, IK07.	<b>264,00 €</b>
	<b>VTO2000 A-B</b>	DAHUA™ 3 Buttons Module	110 x 120 x 24.9 mm	IP54, IK07	3 Mechanical Buttons	From VTO2000A-C Module	The VTO2000A-C is connected with one network cable to the special DAHUA™ PoE switch (VTNS1060A) for the data signal and power supply. The DAHUA™ VTO2000A-B is connected to the VTO2000A-C and receives power from the switch via the VTO2000A-C. 24v Passive PoE (VTNS1060A switch).	<b>99,00 €</b>
	<b>VTO2000 A-R</b>	DAHUA™ RFID MIFARE® Card Reader Module	110 x 120 x 24.9 mm	IP54, IK07	Compatible MIFARE® Classic 13.56 MHz	From VTO2000A-C Module	DAHUA™ VTO2000A-R MIFARE® card reader module a connected door lock can be unlocked with an access card. The VTO2000A-R is connected with one network cable to the special DAHUA™ PoE switch (VTNS1060A) for the data signal and power supply. The DAHUA™ VTO2000A-R is connected to the VTO2000A-C and receives power from the switch via the VTO2000A-C.	<b>CONSULT</b>
	<b>VTO2000 A-K</b>	DAHUA™ Numeric Keyboard Module	110 x 120 x 29 mm	IP54, IK07	14 Mechanical Buttons	From VTO2000A-C Module	DAHUA™ VTO2000A-K module a connected door lock can be unlocked with a pin code. The VTO2000A-K is connected with one network cable to the special DAHUA™ PoE switch (VTNS1060A) for the data signal and power supply. The DAHUA™ VTO2000A-K is connected to the VTO2000A-C and receives power from the switch via the VTO2000A-C.	<b>132,00 €</b>

# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems



### Optional Installation Elements for DAHUA™ IP Modular Outdoor Stations

	P/N	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>VTOF002</b>	Front Panel for 2 DAHUA™ Modules	257 x 145 x 11 mm	2	Stainless Steel	SURFACE	Front Panel for 2 DAHUA™ Modules.	<b>82,50 €</b>
	<b>VTOF003</b>	Front Panel for 3 DAHUA™ Modules	369 x 145 x 11 mm	3	Stainless Steel	SURFACE	Front Panel for 3 DAHUA™ Modules.	<b>CONSULT</b>
	<b>VTOB113</b>	Surface Mounted Box for 2 DAHUA™ Modules	261.4 x 149.4 x 80.6 mm	2	Aluminum	SURFACE	Surface Mounted Box for 2 DAHUA™ Modules. Aluminum.	<b>53,01 €</b>
	<b>VTOB114</b>	Surface Mounted Box for 3 DAHUA™ Modules	373.4 x 149.4 x 80.6 mm	3	Aluminum	SURFACE	Surface Mounted Box for 2 DAHUA™ Modules. Aluminum.	<b>CONSULT</b>
	<b>VTOB111</b>	Flush Mounted Box for 2 DAHUA™ Modules	255.4 x 143.4 x 50.8 mm	2	SPCC	FLUSH	Flush Mounted Box for 2 DAHUA™ Modules.	<b>26,40 €</b>
	<b>VTOB112</b>	Flush Mounted Box for 3 DAHUA™ Modules	367.4 x 143.4 x 50.8 mm	3	SPCC	FLUSH	Flush Mounted Box for 3 DAHUA™ Modules.	<b>CONSULT</b>






# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### 2N® Helios IP Verso™ Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>9155101C</b>	2N® Helios IP Verso™ Basic Camera Unit	10/100BASE-TX s Auto-MDIX, RJ-45	257 x 130 x 2.5 mm	1 Integrated Microphone, 2W Speaker	640 x 480 px (H.263+, H.263, H.264, MJPEG, MPEG-4)	Basic SIP 2.0 unit with camera (JPEG: 1280 x 960 px, video call: 640 x 480 px, View angle: 120° (H), 90° (V), 145° (D), and IR Night Vision). Video codecs H.263+, H.263, H.264, MJPEG, MPEG-4. 1 integrated microphone and 2W loudspeaker. Power supply: 12V±15%/2A DC or PoE 802.3af (Class 0 – 12.95W). LAN: 10/100BASE-TX with Auto-MDIX, RJ-45. Relay outputs: NC/NO contacts, max 30V/1A AC/DC. Active output: 8V – 12V DC/400mA. Operating temperature range: -40° to 60°C. IP54. IK08.	<b>795,37 €</b>
	<b>9155101</b>	2N® Helios IP Verso™ Basic Unit	10/100BASE-TX s Auto-MDIX, RJ-45	257 x 130 x 2.5 mm	1 Integrated Microphone, 2W Speaker	N/A	Basic SIP 2.0 unit without camera. 1 integrated microphone and 2W loudspeaker. Power supply: 12V±15%/2A DC or PoE 802.3af (Class 0 – 12.95W). LAN: 10/100BASE-TX with Auto-MDIX, RJ-45. Relay outputs: NC/NO contacts, max 30V/1A AC/DC. Active output: 8V – 12V DC/400mA. Operating temperature range: -40° to 60°C. IP54. IK08.	<b>402,78 €</b>









### 2N® Helios IP Verso™ Modules

	P/N	Model	Interface	Size	Function	Video	Description	List Price
	<b>9155035</b>	2N® Helios IP Verso™ 5 Buttons Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	Dial Buttons	IP54, IK08	2N® Helios IP Verso™ 5 buttons module for quick selection. Transparent buttons with white light, with easy label changing. Operating temperature range: -40° to 60°C. IP54. IK08.	<b>87,60 €</b>
	<b>9155031</b>	2N® Helios IP Verso™ Keyboard Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	Dial Numeric Keyboard	IP54, IK08	2N® Helios IP Verso™ numeric keyboard module. Operating temperature range: -40° to 60°C. IP54. IK08.	<b>204,78 €</b>
	<b>9155030</b>	2N® Helios IP Verso™ Infopanel	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	Informative Panel	IP54, IK08	2N® Helios IP Verso™ info panel module. Operating temperature range: -40° to 60°C. IP54. IK08.	<b>79,50 €</b>
	<b>9155032</b>	2N® Helios IP Verso™ 125 KHz RFID Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	125 KHz RFID Card Reader	IP54, IK08	Card reader for 2N® Helios IP Verso™ intercom. Supported cards: EM4100, EM4102, HID® Prox™.	<b>113,34 €</b>
	<b>9155033</b>	2N® Helios IP Verso™ 13.56 MHz RFID Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	13.56 MHz RFID Card Reader	IP54, IK08	Card reader for 2N® Helios IP Verso™ intercom. Supported cards: Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant Calypso, Moneo, PicoPass, HID® iCLASS™.	<b>166,80 €</b>

# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems





### 2N® Helios IP Verso™ Modules

	P/N	Model	Interface	Size	Function	Protection	Description	List Price
	9155040	2N® Helios IP Verso™ 13.56 MHz RFID + NFC Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	13.56 MHz RFID + NFC Card Reader	IP54, IK08	Card reader for 2N® Helios IP Verso™ intercom. Supported cards: Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant Calypso, Moneo, PicoPass, HID® iCLASS™. Supported 125kHz cards: EM4100, EM4102, HID® Prox™. NFC support: Yes, provided that HCE and 2N® Mobile Key application are included.	177,49 €
	9155042	2N® Helios IP Verso™ Secured 13.56 MHz RFID + NFC Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	Safe 13.56 MHz RFID + NFC Card Reader	IP54, IK08	Secured card reader for 2N® Helios IP Verso™ intercom. Supported cards: Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant Calypso, Moneo, PicoPass, HID® iCLASS™. Supported 125kHz cards: EM4100, EM4102, HID® Prox™. NFC support: Yes, provided that HCE and 2N® Mobile Key application are included.	235,22 €
	9155044	2N® Helios IP Verso™ VIGIK™ Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	VIGIK™ RFID Card Reader	IP54, IK08	VIGIK™ module for 2N® Helios IP Verso™ intercoms.	207,90 €
	9155034	2N® Helios IP Verso™ I/O Module	Helios IP Verso™ internal Bus	80 x 60 x 5 mm	2 x Logic Input + 2 x Output Relays	IP54	For use as part of the 2N® Helios IP Verso™ Modular Door Entry system. Used in conjunction with the Verso™ 9155101 or 9155101C Main Basic Units, this module provides logical inputs and outputs for sensor integration, door control or other devices requiring NO/NC switching.	41,58 €
	9155037	2N® Helios IP Verso™ Wiegand Module	Helios IP Verso™ internal Bus	80 x 60 x 5 mm	Wiegand Input Connector	IP54	2N® Helios IP Verso™ wiegand module.	67,52 €
	9155041	2N® Helios IP Verso™ Loop Module	Helios IP Verso™ internal Bus	105 x 97 x 27 mm	Wireless Sound Transmission	IP54, IK08	For use as part of the 2N® Helios IP Verso™ Modular Door Entry system. Used in conjunction with the Verso™ 9155101 or 9155101C Main Basic Units, this module features an integrated Audio Frequency Induction Loops (AFILS) facility to aid communication with users who have a hearing impairment and wear a hearing aid.	172,26 €
	9155038	2N® Helios IP Verso™ Tamper	Helios IP Verso™ internal Bus	40 x 50 x 5 mm	Tamper Switch	IP54	2N® Helios IP Verso™ tamper switch.	32,67 €
	9155039	2N® Helios IP Verso™ Blank Module	N/A	105 x 97 x 27 mm	Blank Module	IP54, IK08	Blank Module for use as part of the 2N® Helios IP Verso™ Modular Door Entry system. Use this Module to fill any vacant Module spaces in Verso Surface-mount / Flush-mount Frames. This Blank Filler Module is a component part of the 2N Verso Modular Door Entry range.	14,16 €




# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### 2N® Helios IP Verso™ Modules

	P/N	Model	Interface	Size	Function	Protection	Description	List Price
	9155050	2N® 1 Metre Cable	Helios IP Verso™ internal Bus	1 metre	Connection for Internal Modules	N/A	Extension cable for connecting 2N® Helios IP Verso™ Modules to Main Verso™ Base Units, where the standard supplied short lead won't reach. Ideal for installation situations such as 'Press to Exit' buttons on the inside of the door being connected to the Verso Door Intercom on the outside, or for connecting adjacent Verso devices.	10,89 €
	9155051	Blind button 2N® Helios IP Verso™	N/A	35 x 8 x 2 mm	For Buttons Module 9155035	IP54, IK08	Blind button 2N® Helios IP Verso™.	10,89 €
	9155054	2N® 3 Metres Cable	Helios IP Verso™ internal Bus	3 metres	Connection for Internal Modules	N/A	Extension cable for connecting 2N® Helios IP Verso™ Modules to Main Verso™ Base Units, where the standard supplied short lead won't reach. Ideal for installation situations such as 'Press to Exit' buttons on the inside of the door being connected to the Verso Door Intercom on the outside, or for connecting adjacent Verso devices.	16,34 €
	9155055	2N® 5 Metres Cable	Helios IP Verso™ internal Bus	5 metres	Connection for Internal Modules	N/A	Extension cable for connecting 2N® Helios IP Verso™ Modules to Main Verso™ Base Units, where the standard supplied short lead won't reach. Ideal for installation situations such as 'Press to Exit' buttons on the inside of the door being connected to the Verso Door Intercom on the outside, or for connecting adjacent Verso devices.	21,78 €

### Mounting Elements for 2N® Helios IP Verso™ Intercoms

	P/N	Model	Size	Modules	Finish	Mounting	Description	List Price
	9155021	2N® Helios IP Verso™ 1 Module Surface Mount Front Frame	107x130x28 mm	1	Brushed Steel	SURFACE	The 9155021 is a Single-Module Surface-mount Frame for use in completing a 2N® Helios IP Verso™ Modular Door Intercom system. Size: 107x130x28 mm.	34,16 €
	9155022	2N® Helios IP Verso™ 2 Modules Surface Mount Front Frame	107x234x28 mm	2	Brushed Steel	SURFACE	The 9155022 is a 2 Module Surface-mount Frame for use in completing a 2N® Helios IP Verso™ Modular Door Intercom system. The 2N 9155022 2-Module Frame can be used with either a Verso™ Basic Main Unit or with 2x Additional Function Modules.	40,99 €
	9155023	2N® Helios IP Verso™ 3 Modules Surface Mount Front Frame	107x361x28 mm	3	Brushed Steel	SURFACE	The 9155023 is a 3 Module Surface-mount Frame for use in completing a 2N® Helios IP Verso™ Modular Door Intercom system. The 2N 9155023 3-Module Frame can be used with either a Verso™ Basic Main Unit + 1 additional Module or with 3 x Additional Function Modules.	47,82 €

# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### Mounting Elements for 2N® Helios IP Verso™ Intercoms

	P/N	Model	Size	Modules	Finish	Mounting	Description	List Price
	9155011	2N® Helios IP Verso™ 1 Module Flush Mount Front Frame	108 x 138 x 45 mm	1	Brushed Steel	FLUSH	Flush-mount Back Box for 2N® Helios IP Verso™ Door Intercom. Accepts 1 x Verso™ Additional Module. Finished in rugged plastic. Use with 9155011 Flush-mount Front Cover Frame.	50,09 €
	9155014	2N® Helios IP Verso™ 1 Module Flush Mount Box	108 x 136 x 45 mm	1	Plastic	FLUSH	Flush-mount Back Box for 2N® Helios IP Verso™ Door Intercom. Accepts 1 x Verso™ Additional Module. Finished in rugged plastic. Use with 9155011 Flush-mount Front Cover Frame. Size: 108 x 136 x 45 mm.	17,08 €
	9155012	2N® Helios IP Verso™ 2 Modules Flush Mount Front Frame	108 x 238 x 45 mm	2	Brushed Steel	FLUSH	Flush Mount Front Frame for 2N® Helios IP Verso™ Door Intercom. Accepts 1 x Main Basic Unit (9155101 or 9155101C) or 2 x Verso™ additional Modules. Finished in Brushed Steel. Stylish, robust Modular Door Intercom system component. Size: 238 x 108 x 45 mm.	56,93 €
	9155015	2N® Helios IP Verso™ 2 Modules Flush Mount Box	108 x 240 x 45 mm	2	Plastic	FLUSH	The 2N® 2 Module Back Box can be used when installing either 1x Verso™ Basic Main Unit or with 2x Additional Function Modules. A Flush-mount Front Cover Frame will also be required to complete this unit.	21,63 €
	9155013	2N® Helios IP Verso™ 3 Modules Flush Mount Front Frame	108 x 348 x 45 mm	3	Brushed Steel	FLUSH	Flush-mount Back Box for 2N® Helios IP Verso™ Door Intercom. Accepts 1 x Main Basic Unit (9155101 or 9155101C) or 2 x Verso™ additional Modules. Finished in rugged plastic. Use with 9155013 Flush-mount Front Cover Frame.	62,62 €
	9155016	2N® Helios IP Verso™ 3 Modules Flush Mount Box	108 x 346 x 45 mm	3	Plastic	FLUSH	The 2N® 3 Module Back Box can be used when installing either 1x Verso™ Basic Main Unit plus 1x Additional Module or with 3x Additional Function Modules. A Flush-mount Front Cover Frame will also be required to complete this unit.	25,05 €
	9155061	2N® Helios IP Verso™ 1 Module Surface Box	107 x 130 mm	1	Steel	SURFACE (Back Side)	Surface mount for the 2N® Helios IP Verso™ range. Suitable for mounting on uneven walls or surfaces and on glass.	37,32 €
	9155062	2N® Helios IP Verso™ 2 Modules Surface Box	107 x 234 mm	2	Steel	SURFACE (Back Side)	Surface mount for the 2N® Helios IP Verso™ range. Suitable for mounting on uneven walls or surfaces and on glass.	43,76 €



# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### Mounting Elements for 2N® Helios IP Verso™ Intercoms

	P/N	Model	Size	Modules	Finish	Mounting	Description	List Price
	9155063	2N® Helios IP Verso™ 3 Modules Surface Box	107 x 340 mm	3	Steel	SURFACE (Back Side)	Surface mount for the 2N® Helios IP Verso™ range. Suitable for mounting on uneven walls or surfaces and on glass.	50,19 €
	9155064	2N® Helios IP Verso™ 2 x 2 Back Plate	214 x 234 mm	2 x 2	Steel	SURFACE (Back Side)	Back plate - 2 x 2 modules. Suitable for mounting on uneven walls or surfaces and on glass.	63,06 €
	9155065	2N® Helios IP Verso™ 3 x 2 Back Plate	321 x 234 mm	3 x 2	Steel	SURFACE (Back Side)	Back plate - 3 x 2 modules. Suitable for mounting on uneven walls or surfaces and on glass.	82,37 €
	9155066	2N® Helios IP Verso™ 2 x 3 Back Plate	214 x 340 mm	2 x 3	Steel	SURFACE (Back Side)	Back plate - 2 x 3 modules. Suitable for mounting on uneven walls or surfaces and on glass.	75,93 €
	9155067	2N® Helios IP Verso™ 3 x 3 Back Plate	321 x 340 mm	3 x 3	Steel	SURFACE (Back Side)	Back plate - 3 x 3 modules. Suitable for mounting on uneven walls or surfaces and on glass.	88,80 €









### 2N® Helios IP Vario™ Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	9137111U	1 Button 2N® Helios IP Vario™ Audio Station	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	NO	SIP 1 button intercom with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	447,96 €
	9137131U	3 Buttons 2N® Helios IP Vario™ Audio Station	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	NO	SIP 3 buttons intercom with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	458,95 €

# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems





### 2N® Helios IP Vario™ Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>9137161</b> <b>U</b>	3x2 Buttons 2N® Helios IP Vario™ Audio Station	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	NO	SIP 6 buttons intercom with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>472,95 €</b>
	<b>9137111</b> <b>KU</b>	1 Button 2N® Helios IP Vario™ Audio Station + KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	NO	SIP 1 button intercom + numeric keyboard with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>484,95 €</b>
	<b>9137131</b> <b>KU</b>	3 Buttons 2N® Helios IP Vario™ Audio Station + KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	NO	SIP 3 buttons intercom + numeric keyboard with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>496,95 €</b>
	<b>9137161</b> <b>KU</b>	3x2 Buttons 2N® Helios IP Vario™ Audio Station + KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	NO	SIP 6 buttons intercom + numeric keyboard with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>509,95 €</b>
	<b>9137111</b> <b>CU</b>	1 Button 2N® Helios IP Vario™ Video-Audio Station	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 1 button intercom with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>769,92 €</b>
	<b>9137131</b> <b>CU</b>	3 Buttons 2N® Helios IP Vario™ Video-Audio Station	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 3 buttons intercom with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>782,92 €</b>
	<b>9137161</b> <b>CU</b>	3x2 Buttons 2N® Helios IP Vario™ Video-Audio Station	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 6 buttons intercom with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>797,92 €</b>
	<b>9137111</b> <b>CKU</b>	1 Button 2N® Helios IP Vario™ Video-Audio Station with KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 1 button intercom + numeric keyboard with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>811,92 €</b>




# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### 2N® Helios IP Vario™ Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>9137131</b> <b>CKU</b>	3 Buttons 2N® Helios IP Vario™ Video-Audio Station with KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 3 buttons intercom + numeric keyboard with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>823,92 €</b>
	<b>9137161</b> <b>CKU</b>	3x2 Buttons 2N® Helios IP Vario™ Video-Audio Station with KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 6 buttons intercom + numeric keyboard with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>836,92 €</b>
	<b>9137160</b> <b>KDU</b>	3x2 Buttons 2N® Helios IP Vario™ Audio Station with Display + KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 6 buttons intercom + numeric keyboard + LCD display with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>905,85 €</b>
	<b>9137160</b> <b>CKDU</b>	3x2 Buttons 2N® Helios IP Vario™ Video- Audio Station with Display + KBD.	10/100 BASE-T Terminal Block	234.6 x 124.6 x 29.6 mm	AEC Full duplex Audio	640 x 480 Camera, 55° (H), 39° (V) View Angle	SIP 6 buttons intercom + numeric keyboard + LCD display with 2 voice channels Full Duplex (AEC). RFID card reader ready (not included) and camera 640 (H) x 480 (V), or different additional panels or expansion sets (not included). Ethernet 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 10V – 14V DC/700mA. PoE or Adaptor 100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC. Operating temperatures: from –4 to 131 °F. Cover level: IP 53.	<b>1.133,55 €</b>









### 2N® Helios IP Vario™ Intercom Accessories

	P/N	Model	Size	Colour	Finish	Mounting	Description	List Price
	<b>9135301E</b>	2N® Helios IP Vario™ Replacement Name Plate	1 slot	Transparent	Plastic	FLUSH	The 2N® Helios IP Vario™ name plate is an additional single button replacement name badge.	<b>1,63 €</b>
	<b>9135302E</b>	2N® Helios IP Vario™ Replacement Double Name Plate	1 slot	Transparent	Plastic	FLUSH	The 2N® Helios IP Vario™ Double replacement name plate (9135302E) - is an additional double button replacement name badge.	<b>1,63 €</b>
	<b>9135311E</b>	2N® Helios IP Vario™ Infopanel	Half Panel	Transparent	Plastic	FLUSH	Info Panel Sets helps you use a half of the extending module for insertion of a telephone directory, working hours through replacing cover for four name tags. The insertion will not change the numbering system and button on the panel sides will remain functional.	<b>2,08 €</b>

# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems








### 2N® Helios IP Force™ Intercoms

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>9151101</b> <b>CRPW</b>	1 Button 2N® Helios IP Force™ Audio Station with Pics.	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	640 x 480 Camera, 135° (H), 109° (V) View Angle	1 button SIP Intercom with pictograms. Camera. Ready for embedded card reader (not included). Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>1.003,85 €</b>
	<b>9151101</b> <b>CHRPW</b>	1 Button 2N® Helios IP Force™ Video-Audio Station with Pics.	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	640 x 480 Camera, 135° (H), 109° (V) View Angle	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz, with pictograms. Ready for embedded card reader (not included). HD Camera. Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>1.054,09 €</b>
	<b>9151101</b> <b>RPW</b>	1 Button 2N® Helios IP Force™ VideoHD-Audio Station with Pics.	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz and pictograms. Ready for embedded card reader (not included). Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>828,00 €</b>
	<b>9151101</b> <b>W</b>	1 Button 2N® Helios IP Force™ Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>738,56 €</b>
	<b>9151101</b> <b>CW</b>	1 Button 2N® Helios IP Force™ Video-Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	640 x 480 Camera, 135° (H), 109° (V) View Angle	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. Camera. Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>969,68 €</b>
	<b>9151101</b> <b>CHW</b>	1 Button 2N® Helios IP Force™ VideoHD-Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	1280 x 960 Camera, 135° (H), 109° (V) View Angle	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. HD Camera. Video Codecs: H.264, 64 – 2048 kbit/s, H.263, H.263+. Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>1.019,92 €</b>
	<b>9151104</b> <b>W</b>	4 Buttons 2N® Helios IP Force™ Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	4 buttons SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>795,96 €</b>
	<b>9151104</b> <b>CW</b>	4 Buttons 2N® Helios IP Force™ Video-Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	640 x 480 Camera, 135° (H), 109° (V) View Angle	4 buttons SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. HD Camera. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>959,31 €</b>

# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems




### Interfonos 2N® Helios IP Force™

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>9151104</b> <b>CHW</b>	4 Buttons 2N® Helios IP Force™ VideoHD- Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	1280 x 960 Camera, 135° (H), 109° (V) View Angle	4 buttons SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. HD Camera. Night vision. Connector RJ-45, Ethernet speed 10/100 BASE-T. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>1.008,81 €</b>
	<b>9151101</b> <b>KW</b>	1 Button 2N® Helios IP Force™ Audio Station with KBD.	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz with Numeric Keyboard. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>797,85 €</b>
	<b>9151101</b> <b>CKW</b>	1 Button 2N® Helios IP Force™ Video- Audio Station with KBD.	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	640 x 480 Camera, 135° (H), 109° (V) View Angle	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz with Numeric Keyboard. Camera. Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>971,69 €</b>
	<b>9151101</b> <b>CHKW</b>	1 Button 2N® Helios IP Force™ VideoHD- Audio Station with KBD.	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	1280 x 960 Camera, 135° (H), 109° (V) View Angle	1 button SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz with Numeric Keyboard. Camera 1280px (H) x 960px (V), View angle 135° (H), 109° (V). Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>1.021,93 €</b>
	<b>9151102</b> <b>CRW</b>	2 Buttons 2N® Helios IP Force™ Video-Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	2 buttons SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. Ready for embedded card reader (not included). Camera 640 (H) x 480 (V), View angle 135° (H), 109° (V). Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>959,31 €</b>
	<b>9151102</b> <b>CHRW</b>	2 Buttons 2N® Helios IP Force™ VideoHD- Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	1280 x 960 Camera, 135° (H), 109° (V) View Angle	2 buttons SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. Ready for embedded card reader (not included). Camera 1280px (H) x 960px (V), View angle 135° (H) x 109° (V). Night vision. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>1.008,81 €</b>
	<b>9151102</b> <b>RW</b>	2 Buttons 2N® Helios IP Force™ Audio Station	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 220 x 112 x 70 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	2 buttons SIP Intercom with 2 voice channels - Codecs: G.711, G.729, G.722, L16/16kHz. Ready for embedded card reader (not included). Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, selected models IP69K.	<b>798,93 €</b>




# 4.1 | IP/SIP SYSTEMS

## Network-based communication and security systems

### 2N® Helios IP Safety™ Intercoms

	P/N	Model	Interface	Size	Audio	Vídeo	Description	List Price
	<b>9152101W</b>	2N® Helios IP Safety™ 9152101W Intercom	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 230 x 125 x 85 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	1 button SIP Intercom with 2 voice channels (Audio Codecs: G.711, G.729, G.722). Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, IP69K.	<b>728,54 €</b>
	<b>9152102W</b>	2N® Helios IP Safety™ 9152102W Intercom	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 230 x 125 x 85 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	2 buttons SIP Intercom with 2 voice channels (Audio Codecs: G.711, G.729, G.722). Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Power supply with 802.3af (PoE) 48 V / 380 mA DC or Adaptor (100-230 V10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC). Operating temperatures: from –40 to 131 °F. Cover level: IP65, IP69K.	<b>750,32 €</b>
	<b>9152101MW</b>	2N® Helios IP Safety™ 9152101MW Intercom	RJ45 10/100 BASE-T (PoE)	243.5 x 135.3 x 12 mm (front). 230 x 125 x 85 mm (back)	2 Microphones + 10W D-Class Amplifier, Full Duplex (AEC)	NO	1 button SIP Intercom with 2 voice channels (Audio Codecs: G.711, G.729, G.722). Includes 1 additional emergency red button. Relay outputs: Maximal voltage 30 V DC, Maximal current 1 A DC. Active output: 9V – 13V DC/700mA. Operating temperatures: from –40 to 131 °F. Cover level: IP65, IP69K.	<b>750,32 €</b>



### 2N® Helios IP UNI™ Intercoms

	P/N	Model	Interface	Size	Audio	Vídeo	Description	List Price
	<b>9153101</b>	1 Button 2N® Helios IP UNI™ Intercom	RJ45 10/100 BASE-T (PoE)	205 x 125 x 9.25 mm (front side)	SIP, 2 voice channels (10W). G.711 PCM, 64 kbps	NO	1 button SIP intercom. Audio codecs G.711 PCM and 64 kbps. Audio: Acoustic pressure for 1kHz at a distance of 1m: 61,5 dB. Active output: 8V – 12V DC/500mA. Passive relay output: Maximum voltage 30 V DC, Maximum current 1 A DC. Power supply: 802.3af (PoE):48 V / 380 mA DC or Adapter (100-230 V ± 10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC). Operating temperature: –40 to 131 °F. Cover level: IP 54.	<b>295,87 €</b>
	<b>9153102</b>	2 Buttons 2N® Helios IP UNI™ Intercom	RJ45 10/100 BASE-T (PoE)	205 x 125 x 9.25 mm (front side)	SIP, 2 voice channels (10W). G.711 PCM, 64 kbps	NO	2 buttons SIP intercom. Audio codecs G.711 PCM and 64 kbps. Audio: Acoustic pressure for 1kHz at a distance of 1m: 61,5 dB. Active output: 8V – 12V DC/500mA. Passive relay output: Maximum voltage 30 V DC, Maximum current 1 A DC. Power supply: 802.3af (PoE):48 V / 380 mA DC or Adapter (100-230 V ± 10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC). Operating temperature: –40 to 131 °F. Cover level: IP 54.	<b>305,97 €</b>
	<b>9153101P</b>	1 Button 2N® Helios IP UNI™ Intercom + Pictograms	RJ45 10/100 BASE-T (PoE)	205 x 125 x 9.25 mm (front side)	SIP, 2 voice channels (10W). G.711 PCM, 64 kbps	NO	1 button SIP intercom with pictograms. Audio codecs G.711 PCM and 64 kbps. Audio: Acoustic pressure for 1kHz at a distance of 1m: 61,5 dB. Active output: 8V – 12V DC/500mA. Passive relay output: Maximum voltage 30 V DC, Maximum current 1 A DC. Power supply: 802.3af (PoE):48 V / 380 mA DC or Adapter (100-230 V ± 10%, 50/60 Hz / 12V DC, DC power supply 12 V / 2A DC). Operating temperature: –40 to 131 °F. Cover level: IP 54.	<b>336,26 €</b>




# 4.2 | IP MASTER STATIONS FOR IP/SIP SYSTEMS

They manage all the intercomms deployed

## AIPHONE™ IX Series IP Master Stations

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>I725CM</b>	AIPHONE™ IX-MV IP Master Station	RJ45 10Base-T / 100Base-TX, PoE	189 x 250 x 59 mm	Handset, Hands-free, Microphone and Speaker	3.5" Colour LCD	IP addressable video master station monitor. It can be wall or desk mounted (desk stand included). The IX-MV offers handset (duplex) and hands-free (VOX/PTT) communication and call up to 500 other IX units. It connects directly to a network using CAT-5e/6 cable. This station requires a 802.3af compliant power-over-ethernet network.	<b>854,75 €</b>
	<b>I725BM</b>	AIPHONE™ IX-MVLA Addressable IP Master Station	RJ45 10Base-T / 100Base-TX, PoE	189 x 250 x 59 mm	Handset, Hands-free, Microphone and Speaker	3.5" Colour LCD	IP addressable video master station monitor with mag loop. It can be wall or desk mounted (desk stand included). The IX-MVLA offers handset (duplex) and hands-free (VOX/PTT) communication and call up to 500 other IX units. It connects directly to a network using CAT-5e/6 cable. This station requires a 802.3af compliant power-over-ethernet network.	<b>905,53 €</b>



## AIPHONE™ IS Series IP Master Stations

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>I373E4</b>	AIPHONE™ IS-MV IP Master Station	CAT-5e/6 Wired to Main Server	189 x 250 x 59 mm	Handset, Hands-free, Microphone and Speaker	3.5" Colour LCD	Video master station monitor. It can be wall or desk mounted (desk stand included). The IS-MV offers handset (duplex) and hands-free (VOX/PTT) communication and can page up to 5 zones simultaneously. It connects to the IS-CCU or IS-SCU using CAT-5e/6 cable and is powered by the system.	<b>656,61 €</b>
	<b>I373EP</b>	AIPHONE™ IS-RS IP Desktop Station	CAT-5e/6 Wired to Main Server	199 x 116,5 x 64 mm	Handset, Microphone and 8Ω Speaker	NO	The IS-RS is a handset style, wall mount, audio only sub station. It connects to the IS-CCU, IS-SCU, or IS-RCU units using CAT-5e/6 cable. It can be used hands-free with the internal speaker or can be tied to an external 8 ohm speaker. The IS-RS is powered by the system.	<b>165,33 €</b>
	<b>I373E8</b>	AIPHONE™ IS-IPMV Addressable IP Desktop Station	CAT-5e/6 Wired to Main Server	189 x 250 x 59 mm	Handset, Hands-free, Microphone and Speaker	3.5" Colour LCD	IP addressable video master station monitor. It can be wall or desk mounted (desk stand included). The IS-IPMV offers handset (duplex) and hands-free (VOX/PTT) communication and can page up to 5 zones simultaneously. It connects directly to a network using CAT-5e/6 cable and can communicate with any IS-IPDV / IS-IPDVF / IS-SOFT or any station connected ton an IS-IPC on a network. This station utilizes 802.3af compliant power-over-ethernet, or an external 24V DC power supply, PS-2420UL.	<b>1.206,97 €</b>






# 4.2 | IP MASTER STATIONS FOR IP/SIP SYSTEMS

They manage all the intercomms deployed

## DAHUA™ IP Intercom Displays and Related Elements

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>VTH1550CH</b>	DAHUA™ 7-inch Color Indoor Monitor	RJ45 10Base-T / 100Base-TX, PoE	200 x 126 x 22 mm	Handset, Hands-free, Microphone and Speaker	7" Colour LCD (800 x 480)	Displayer: TFT LCD, Capacitive touch screen. Support 6 channels wire alarm input. Call among households. 1 channel 10/100Mbps self-adaptive Ethernet. Support outdoor station and IPC monitor. Support leave audio and video message. Support Dahua POE power supply. Support SD card pluggable. Surface mounted.	<b>467,21 €</b>
	<b>VTNS1060A</b>	POE Switch for IP DAHUA™ System	6 x RJ45 10Base-T / 100Base-TX, PoE	179 x 107 x 30 mm	N/A	N/A	Decent appearance. DAHUA™ protocol POE switch. Connect max 6 indoor monitors with the Cat 5e cable, transfer the signal and power together.	<b>38,21 €</b>



## 2N® Indoor Answering Units

	P/N	Model	Interface	Size	Audio	Video	Description	List Price
	<b>91378365</b>	2N® Black Indoor Touch Unit	RJ45 10Base-T / 100Base-TX, PoE	235 x 165 x 40 mm	Microphone, Integrated Speaker (G.711, G.722)	7" LED 16:9. 1.024 x 600 Px, 24 bpp	SIP 2.0 smart touch panel. LED display (16,7M colours). Embedded micro and bidirectional audio. 2 x realy. 2 x Digital I/O. OOSS: Android 4.4.4. BLACK.	<b>525,15 €</b>
	<b>91378365</b> <b>WH</b>	2N® White Indoor Touch Unit	RJ45 10Base-T / 100Base-TX, PoE	235 x 165 x 40 mm	Microphone, Integrated Speaker (G.711, G.722)	7" LED 16:9. 1.024 x 600 Px, 24 bpp	SIP 2.0 smart touch panel. LED display (16,7M colours). Embedded micro and bidirectional audio. 2 x realy. 2 x Digital I/O. OOSS: Android 4.4.4. WHITE.	<b>525,15 €</b>
	<b>91378366</b>	2N® Black Indoor Touch WiFi Unit	RJ45 10Base-T / 100Base-TX, PoE, 802.11b/g/n	235 x 165 x 40 mm	Microphone, Integrated Speaker (G.711, G.722)	7" LED 16:9. 1.024 x 600 Px, 24 bpp	SIP 2.0 smart touch panel. LED display (16,7M colours). Embedded micro and bidirectional audio. 2 x realy. 2 x Digital I/O. OOSS: Android 4.4.4. BLACK. WiFi: 802.11b/g/n.	<b>CONSULT</b>
	<b>91378366</b> <b>WH</b>	2N® White Indoor Touch WiFi Unit	RJ45 10Base-T / 100Base-TX, PoE, 802.11b/g/n	235 x 165 x 40 mm	Microphone, Integrated Speaker (G.711, G.722)	7" LED 16:9. 1.024 x 600 Px, 24 bpp	SIP 2.0 smart touch panel. LED display (16,7M colours). Embedded micro and bidirectional audio. 2 x realy. 2 x Digital I/O. OOSS: Android 4.4.4. WHITE. WiFi: 802.11b/g/n.	<b>CONSULT</b>
	<b>GXV3275</b>	GRANDS-TREAM™ GXV3275 Android IP Video Phone	2 x RJ45 10/100/1000Base-TX, PoE, 802.11b/g/n	25.12 x 21.1 x 0.84 cms	Handset + Bluetooth	7" LCD 16:9. 1.024 x 600 Px	Combines a comprehensive 6-line IP video phone, a multi-platform video conferencing solution and the user experience of an Android tablet to offer an all-in-one voice, video, data, and mobility solution. With a 7" capacitive touchscreen that runs on Android™ OS version 4.2. The phone features dual Gigabit ports, HD audio and HD video, a built-in web browser, integrated Wi-Fi (802.11b/g/n) for network flexibility, PoE, and a tiltable CMOS camera.	<b>50,49 €</b>

# 4.2 | IP MASTER STATIONS FOR IP/SIP SYSTEMS

They manage all the intercomms deployed

## 2N® Indoor Answering Units






	P/N	Model	Interface	Size	Audio	Vídeo	Description	List Price
	<b>GXM3240</b>	GRANDS-TREAM™ GXM3240 Android Video IP Phone	2 x RJ45 10/100/1000Base-TX, PoE, 802.11b/g/n	25.9 x 29.97 x 10.16 cms	Handset + Bluetooth	4.3" LCD, 480 x 272 Px	Combines a 6-line IP video phone with a multi-platform video conferencing solution and an Android smartphone to offer an all-in-one communications solution. Runs the Android Operating System and therefore offers full access to the many Android apps in the Google Play Store™. The phone features integrated Bluetooth, Gigabit ports, a built-in web browser, integrated WiFi, a 4.3 inch touch screen, HD audio and PoE.	<b>188,10 €</b>
	<b>1014160</b>	2N® StarPoint IP VP530 PoE video Phone	RJ45 10Base-T / 100Base-TX, PoE	110 x 104 x 26 mm	Handset	7" LCD 16:9. 2MPx Camera	It is distinguished by camera allowing live video calls. It contains a high-quality photo frame and multimedia terminal supporting audio/video playback via a built-in player. It combines professional design, advanced properties with excellent sound and voice quality and a comfortable user interface. It is ideal for all communication environments, company offices and home users.	<b>306,90 €</b>

# 4.3



## CENTRAL SERVERS AND SW FOR IP/SIP SYSTEMS

Elements for IP intercom centralization and networks managing

### AIPHONE™ IS Series Servers and Software for IP Intercoms

	P/N	Model	Interface	Size	Audio	Vídeo	Description	List Price
	<b>I373C8</b>	AIPHONE™ IS-CCU Central IP Server	12 x CAT-5e/6 Wired to Stations	85 x 480 x 280 mm (2U)	4 x P. A. Output + 2 x Chime Input	2 x Video BNC Output	It allows a connection of four door / sub stations and four master stations. It features inputs for up to two IS-SCU, four IS-RCU, and one IS-IPC to expand the system using CAT-5e/6 cable. Also has 8 contact outputs, 4 contact inputs. A PC is required to set up the system and is set up via browser. The unit can be rack mounted to an EIA standard rack (2U required) or wall mount using brackets. It is powered using an external 48V DC power supply, IS-PU-UL.	<b>2.093,49 €</b>
	<b>I373C30</b>	AIPHONE™ IS-RCU Central IP Server Upgrade	30 x CAT-5e/6 Wired to Stations	85 x 480 x 280 mm (2U)	4 x P. A. Output	NO	It homeruns to the IS-CCU to add thirty room stations to the system. Up to four IS-RCU's may be connected to the IS-CCU using two CAT-5e/6 cables. The unit can be rack mounted. It is powered using an external 48V DC power supply, IS-PU-UL.	<b>1.509,12 €</b>
	<b>I373CA</b>	AIPHONE™ IS-SCU Central IP Server Upgrade	16 x CAT-5e/6 Wired to Stations	85 x 480 x 280 mm (2U)	4 x P. A. Output	2 x Video BNC Output	It homeruns to the IS-CCU to add eight door / sub stations and eight master stations to the system. Up to two IS-SCU's may be connected to the IS-CCU using three CAT-5e/6 cables. The unit can be rack mounted. It is powered using an external 48V DC power supply, IS-PU-UL.	<b>1.616,51 €</b>
	<b>I373W</b>	AIPHONE™ IS-SOFT IP Intercom Software	Instalar en Equipo con Ethernet 10/100 Base-T	N/A	Announcements and Communication between Stations	Allows Video Recording to PC	The IS-SOFT is proprietary Aiphone software that can be installed on a PC running Windows XP, Windows Vista, or Windows 7 (one seat license per PC). The PC with the installed IS-SOFT software may connect directly to a network allowing for communication with any IS-IPDV, IS-IPDVF, IS-IPMV, or any station connected to an IS-IPC on a network.	<b>1.062,68 €</b>
	<b>I373IP</b>	AIPHONE™ IS-IPC IP Interface	2 x CAT-5e/6 Wired to Stations	85 x 480 x 280 mm (2U)	Output CO line to phone	NO	It connects the IS-CCU and all of its wired components to a network. One IS-IPC is required for every IS-CCU and is wired using three CAT-5e/6 cables. Up to eight IS-IPC's may be using in a fully networked system. The unit can be rack mounted in an EIA standard rack. It is powered using an external 48V DC power supply, IS-PU-UL. IS-IPC is required for a PBX connection.	<b>3.530,38 €</b>

### 2N® Developing Licenses for IP Intercommunication

	P/N	Model	SSOO	Format	Functions	Series	Description	List Price
	<b>91378390</b>	2N® Indoor Touch License	Android	Downloadable	Unlocks System	2N® Indoor Touch	License to install third parties Apps into 2N® Indoor Touch.	<b>50,49 €</b>
	<b>9137905</b>	2N® Helios IP Audio License	FW 2N®	CD / Downloadable	Noise Detection, Audio Test, User Sound	IP Verso™, IP Vario™, IP Force™, IP Safety™	2N® Helios IP Audio Kit is an OEM intercom intended for incorporation into a variety of devices. It is designed to add value to both audio communication and remote surveillance and control. With it, users get both live support and the ability to ask for advice at the touch of a button. A VoIP solution you don't have to develop. Simple DIN rail mounting. A wide range of connectors.	<b>53,01 €</b>

# 4.3

## CENTRAL SERVERS AND SW FOR IP/SIP SYSTEMS

Elements for IP intercom centralization and networks managing




Componentes Adicionales para Sistemas DAHUA™

	P/N	Model	SSOO	Format	Functions	Series	Description	List Price
	9137906	2N® Helios IP Video License	FW 2N®	CD / Downloadable	Audio/Video Streaming, ONVIF, Mov. Detection, PTZ, etc..	IP Verso™, IP Vario™, IP Force™, IP Safety™	The 2N® Helios IP Video Kit is a compact module unit intended to enhance any OEM with reliable video monitoring. In addition to video surveillance it will enhance functionality to include audio communications, remote monitoring and control. A VoIP solution you don't have to develop. Two analogue cameras can be connected. A wide range of connectors.	84,20 €


# 4.4 | POWER SUPPLIES FOR IP/SIP SYSTEMS

Power supply units used for several systems

## Additional Components for AIPHONE™ IP Intercoms

	P/N	Model	Voltage	Current	Finish	Mounting	Description	List Price
	<b>I373PS</b>	AIPHONE™ IS-PU-S Power Supply	48 VDC	2.0 Amp	Metal	SURFACE	AIPHONE™ power supply for IS-CCU, IS-RCU, IS-SCU and IS-IPC. Output 48VDC, 2 Amp.	<b>509,26 €</b>
	<b>I924UP</b>	AIPHONE™ I-924UP Power Supply	24 VDC	2.0 Amp	Black ABS Plastic	SURFACE	AIPHONE™ power supply for surface mounting. Input 110/240 VAC. 2 mt output wire included with faston terminals. 1.75 mt unpluggable cable included. ABS plastic enclosure.	<b>91,77 €</b>
	<b>I924D</b>	AIPHONE™ DIN Rail Power Supply	24 VDC	1.0 Amp	Plastic	DIN Rail	AIPHONE™ power supply for DIN Rail mounting.	<b>113,24 €</b>

## Additional Components for DAHUA™ IP Intercoms

	P/N	Model	Voltage	Current	Finish	Mounting	Description	List Price
	<b>DC24V-2-5A</b>	DAHUA™ Power Supply	24 VDC	2.5 Amp	Plastic	SURFACE	DAHUA™ power supply for VTNS1060A or VTNC3000A.	<b>21,49 €</b>



# 5.0 | ANALOG INTERCOMMUNICATION






Analog Audio and Video Intercoms




# 5.1 WINDOW INTERCOM SET

## Intercommunication elements for public environment

### AIPHONE™ IM Series: Security Window System Set

	Code	Model	Size	Micro	Speaker	Interface	Description	List Price
	<b>I360UC</b>	AIPHONE™ IMU-100 Central Kit	210 x 45 x 206 mm (Main Station) + 130 x 49 x 160 mm (Micro)	Handset ( Jack 3,5 mm, 32 Ω)	3-6 W a 4-8 Ω	AIPHONE™ 12 wires connector (Micro to Main Station)	IMU-100 Master Kit. Includes Main unit (MU-100) and Operation Unit (OU-100) with supplied connector. NOTE: IME-100 Gooseneck Microphone is pictured attached, but is sold separately.	<b>863,17 €</b>
	<b>I360IA</b>	AIPHONE™ IAI-100 Security Window Driver	84 x 150 x 36 mm (Speaker) + 27 x 388 x 24 mm (Pipe)	Condenser, Non-directional, -41 dB	4.5 W a 4 Ω	5 Wires (Micro + Speaker)	The IAI-100 is a surface mount driver and acoustic tube that provides clear voice communication . The use of the acoustic tube covers a wide frequency band and ensures clear sound quality at an optimum volume.	<b>649,83 €</b>
	<b>I360TA</b>	AIPHONE™ IAX-100 Security Window Speaker Tube	"27 x 1000 x 24 mm"	N/A	N/A	N/A	The IAX-100 is a 33 " extension tube used to extend the length of the IAI-100.	<b>85,43 €</b>
	<b>I360MF</b>	AIPHONE™ IME-100 Security Window Gooseneck Microphone	510 mm (length of gooseneck)	Condenser, Non-directional, -46 dB	N/A	To be connected to AIPHONE™ OU-100 Base Stand	The IME-100 is a gooseneck microphone that adds to the flexibility of the IM security window system. The unit features an omni directional microphone and connects directly to the OU-100.	<b>144,85 €</b>
	<b>I360MO</b>	AIPHONE™ IME-150 Security Window Separate Microphone	"23 x 115 x 13 mm"	Condenser, Non-directional	N/A	To be connected to AIPHONE™ OU-100 Base Stand	The IME-150 is a microphone that allows a separate speaker to be used for communication using the IM Security Window system. The unit is used with a standard eight ohm speaker (Available separately) when the standard tube style speaker/mic doesn't fit the application. The unit features an omni directional microphone and connects directly to the MU-100.	<b>269,73 €</b>

### OPTIMUS™ Security Window System Set


	Code	Model	Size	Micro	Speaker	Voltage	Description	List Price
	<b>S40</b>	OPTIMUS™ SIV-40 Counter Intercom Set	Desktop: 130 x 150 x 50 mm	Full-duplex -47 dB	4 W Indoor + 4 W (RMS) Outdoor	14 VDC (300 mA)	Intercommunication counter-type system. Desktop internal unit with microphone, loudspeaker, adjustable volume, noise reduction circuit and recording output. Microphone and loudspeaker for external side. Communication half-duplex with automatic switching. Power supply included. Frequency response from 20 to 16.000 Hz.	<b>145,73 €</b>

# 5.2


## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments


### AIPHONE™ AT Series Intercoms

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I305A</b>	AIPHONE™ AT-406P Handset Set	210 x 80 x 52 mm	2 non-polarized wires	BUS up to 3 substations	6VDC (120 mA) or 4 AA Batteries	Set containing a master and sub handset. Handsets are white in color and can call and communicate with each other. System can be powered by either a six volt DC power supply (SKK-620) or by using 4 AA batteries. System requires two wires between handsets.	<b>148,57 €</b>



### AIPHONE™ MC Series Intercoms

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I611</b>	AIPHONE™ MC-60/4A Handset	90 x 234 x 94 mm	2 wires, including voltage	BUS up to 60 substations	24 VDC (70 mA)	The MC-60/4A Series is a handset style paging/communication system for use in marketplace applications. Each station has a 4 line capacity with a separate paging channel.	<b>96,68 €</b>

### AIPHONE™ YAZ Series Intercoms

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I690</b>	YAZ-90-3W AIPHONE™ Intercom	167 x 90 x 52 mm	4 wires, including voltage	Up to 90 substations in 3 separate BUS	1 x PS-2420UL (DC 24V, 150mA) up to 30 stations	The YAZ-90-3W is a microprocessor based phone-style intercom system that will support up to 90 stations. Each station can dial a 2-digit number and communicate with other station or initiate a page to a single paging zone. Microprocessor built-in intercom expandable to maximum 90 stations on 4-pair cable. Up to 2.9km wiring distance total. Communication functions: Camp-on busy, secretary transfer, call transfer. Paging or multiple zone paging with optional talk back. Line-off trouble on one channel does not affect the other channels.	<b>437,99 €</b>

### AIPHONE™ LEF Series Intercoms








	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I313LEF</b>	AIPHONE™ LEF-3 Master Station	180 x 143 x 55 mm	BUS up to 3 substations	Wall Mount or Desktop	24 VDC (300 mA)	LEF-3 The LEF-3 is a selective call open voice style master station with the capacity of up to 4 total stations. Any combination of subs and masters can be used up to its maximum capacity.	<b>189,83 €</b>
	<b>I313BEF</b>	AIPHONE™ LEF-3C Master Station	153 x 208 x 35.5 mm	BUS up to 3 substations	Flush	24 VDC (300 mA)	The LEF-3C is a semi-flush mount selective call open voice style master station that supports a maximum capacity of up to 4 stations. Any combination of subs and masters can be used up to its maximum capacity. Unit allows for all call to all stations in the system (requires BG-10C).	<b>254,57 €</b>

# 5.2

## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ LEF Series Intercoms

	Code	Model	Size	Micro	Speaker	Voltage	Description	List Price
	<b>I314BAF</b>	AIPHONE™ LEF-5 Master Station	190 x 206 x 55 mm	BUS up to 5 substations	Wall Mount or Desktop	24 VDC (300 mA)	The LEF-5 is a surface mount selective call open voice style master station that supports a maximum capacity of up to 6 stations. Any combination of subs and masters can be used up to its maximum capacity.	<b>262,96 €</b>
	<b>I314BEF</b>	AIPHONE™ LEF-5C Master Station	200 x 238 x 35.5 mm	BUS up to 5 substations	Flush	24 VDC (300 mA)	The LEF-5C is a semi-flush mount selective call open voice style master station that supports a maximum capacity of up to 6 stations. Any combination of subs and masters can be used up to its maximum capacity. Unit allows for all call to all stations in the system (requires BG-10C).	<b>299,15 €</b>
	<b>I315</b>	AIPHONE™ LEF-10 Master Station	190 x 206 x 55 mm	BUS up to 10 substations	Wall Mount or Desktop	24 VDC (300 mA)	LEF-10 is a selective call open voice style master station with the capacity of up to 11 total stations. The system can be designed to meet a wide variety of needs, including any combination of master and sub stations up to its maximum capacity.	<b>309,92 €</b>
	<b>I315C</b>	AIPHONE™ LEF-10C Master Station	200 x 238 x 35.5 mm	BUS up to 10 substations	Flush	24 VDC (300 mA)	The LEF-10C is a selective call open voice style master station used to answer calls from other remotes or masters. The system can be designed using any combination of subs or masters up to its maximum capacity of 11. The LEF-10C has the ability to place an all call to all other stations in the system (requires BG-10C).	<b>361,16 €</b>
	<b>I317LEF</b>	AIPHONE™ LEF-10S Master Station	190 x 206 x 55 mm	BUS up to 10 substations	Wall Mount or Desktop	24 VDC (300 mA)	The LEF-10S is a selective call open voice system master station with the capacity of up to 11 total stations. Any combination of subs and masters can be used up to its maximum capacity. The LEF-10S has the ability to place and all call to all stations in the system (requires BG-10C).	<b>330,08 €</b>
	<b>I322LEF</b>	AIPHONE™ LE-A3 Indoor Substation	143 x 180 x 53.5 mm	2 non-polarized wires	Wall Mount or Desktop	From LEF Master Station	3 call audio interior sub station for use with the LEF/LAF master stations. Designed to allow user to call any of 3 master stations selectively.	<b>50,38 €</b>
	<b>I323LEF</b>	AIPHONE™ LE-AN3 Indoor Substation	143 x 180 x 53.5 mm	2 non-polarized wires	Wall Mount or Desktop	From LEF Master Station	3 call audio only interior sub station with privacy button for use with the LEF/LAF master stations. The privacy button will prevent the master from listening to the sub when engaged. This unit is designed to allow the use to call up to 3 master stations selectively.	<b>58,09 €</b>

# 5.2






## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### Accessories for AIPHONE™ LEF Series

Code	Description	List Price
I314W	Desktop terminal box for LEF-5.	46,71 €
I317W	Desktop terminal box for LEF-10.	54,07 €
I317SW	Desktop terminal box for LEF-10S.	78,66 €
I324M	General caller adaptor. BGM. 11 switches for music and intro selection. 12 VDC, 2.5 Amp. Size: 250 x 165 x 77 mm.	642,30 €
I323MT	Transformer: 20 ohm -> 8 ohm.	12,51 €
I204C	Remote relay for door opening. 12 VDC.	28,70 €
I340C	Relay for intercom signaling. Device is activated and hold till communication is done. 12 VDC.	61,18 €

### AIPHONE™ LEM Series Intercoms





	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I306PE1</b>	AIPHONE™ LEM-1T Central Unit	131 x 160 x 51 mm	BUS up to 1 Substation - 2 non-polarized wires	Wall Mount or Desktop	6 VDC (200 mA)	Station 1-way intercom loud LEM system. Installation desktop or wall. Notice of call through tone and LED light. "Talk" button to speak. The speaker volume control. Internal amplifier with a power output of 350 mW. Power supply 6 V DC 200 mA. ABS plastic white color, dimensions 131 x 160 x 51 mm.	106,18 €
	<b>I307</b>	AIPHONE™ LEM-1DL Master Station	143 x 180 x 53.5 mm	BUS up to 1 Substation - 2 non-polarized wires	Wall Mount or Desktop	12-16VAC (250 mA) or 12-24VDC (200 mA)	Single call surface/desk mount master station with built in door release relay.	112,96 €
	<b>I306E</b>	AIPHONE™ LEM-3 Master Station	143 x 180 x 53.5 mm	BUS up to 3 Substations - 2 non-polarized wires	Wall Mount or Desktop	6 VDC (200 mA)	3-call surface/desk mount master station. Compatible with any LE series sub/door station.	154,89 €
	<b>I318LEF</b>	AIPHONE™ LE-AT Sub-Master Station	131 x 160 x 51 mm	2 non-polarized wires	Wall Mount or Desktop	From LEF or LEM Master Station	Indoor sub-master station for aloud intercommunication. Waalmount or desktop mount. Notice of call through tone. "Talk" button to speak. ABS plastic white color. Power supply from central unit.	43,94 €
	<b>I320LEF</b>	AIPHONE™ LE-ANT Sub-Master Station	131 x 160 x 51 mm	2 non-polarized wires	Wall Mount or Desktop	From LEF or LEM Master Station	Indoor sub-master station for aloud intercommunication. Waalmount or desktop mount. Notice of call through tone. "Talk" button to speak. ABS plastic white color. Power supply from central unit.	50,84 €

# 5.2




## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ LEM Series Intercoms

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I321L</b>	AIPHONE™ LE-D Surface Mount Door Station	120 x 88 x 29 mm	2 non-polarized wires	Surface	From LEF Master Station	The LE-D is a surface mount, ABS plastic door station. It is weather resistant and mounts to a single gang electric box. The LE-D provides communication and call-in. *When used with the IX Series, requires an IX-1AS or IX-10AS.	<b>35,00 €</b>
	<b>I321LL</b>	AIPHONE™ LE-DA Flush Mount Door Station	116 x 115 x 10 mm	2 non-polarized wires	Flush	From LEF Master Station	The LE-DA is a weather resistant, flush mount door station with a stainless steel faceplate. It flush mounts to a two-gang electric box or surface mounts using the SBX-2G. The LE-DA provides communication and call-in. *When used with the IX Series, requires an IX-1AS or IX-10AS.	<b>87,53 €</b>
	<b>I327S</b>	AIPHONE™ LE-DI Surface Mount Plate	105 x 185 x 65 mm	2 non-polarized wires	Surface	From LEF Master Station	Vandal proof surface mounting plate. Made of steel. Inox. IP53. Size: 105 x 185 x 65 mm.	<b>274,66 €</b>
	<b>I327E</b>	AIPHONE™ LE-DIE Flush Mount Plate	100 x 180 x 40 mm (For gang box)	2 non-polarized wires	Flush	From LEF Master Station	Vandal proof flush mounting plate. Made of steel. Inox. IP53. Size: 100 x 180 x 40 mm.	<b>155,50 €</b>

### AIPHONE™ IE Series Intercoms









	Code	Model	Size	Finish	Mounting	Voltage	Description	List Price
	<b>I206</b>	AIPHONE™ IF-DA Door Station	98 x 130 x 28 mm	Plastic	Surface	From Master Station	Plastic door station for use with the IE, TC-M, TD-H and AX systems. Unit includes communication speaker, call in button and locator light.	<b>77,67 €</b>
	<b>I206A</b>	AIPHONE™ IE-JA Door Station	116 x 115 x 10 mm	Stainless Steel	Flush	From Master Station	The IE-JA is a flush mount door station designed to fit a 2-gang box. The unit features a call button, speaker and mic for communication and a green locator LED.	<b>97,04 €</b>
	<b>I206B</b>	AIPHONE™ IE-DC Door Station	100 x 135 x 34 mm	Aluminum and ABS plastic	Surface	From Master Station	Single-gang surface mount, door station. Weather resistant audio door stations. Surface mount. Hands free communication. Call button rings chime or tone at inside station.	<b>40,60 €</b>

# 5.2

## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ IE Series Intercoms








	Code	Model	Size	Finish	Mounting	Voltage	Description	List Price
	<b>I205</b>	AIPHONE™ IE-1AD(U) Master Handset	80 x 210 x 58 mm	White ABS Plastic	Wall Mount	12-16VAC (180 mA) or 12-24VDC (300 mA)	Master handset to communication with a single IE series door station. It features a handset for private communication, a door release button, chime volume control.	<b>131,18 €</b>
	<b>I205A</b>	AIPHONE™ IE-1GD(U) Master Handset	100 x 210 x 61 mm	White ABS Plastic	Wall Mount	12-16VAC (200 mA) or 12-24VDC (200 mA)	Master handset to communication with a single IE series door station. Door call-in is announced with a four stroke chime and an LED indicator. It features a handset for private communication, a door release button, chime volume control and a button to call sub handsets (IEH-1CD). Maximum three IEH-1CD may be connected in a system.	<b>204,99 €</b>
	<b>I205B</b>	AIPHONE™ IE-2AD(U) Master Handset	100 x 210 x 68 mm	White ABS Plastic	Wall Mount	12-16VAC (200 mA) or 12-24VDC (200 mA)	Master handset to communication with maximum two IE series door station. Door call-in is announce with either a two or four stroke chime and an LED indicator. It features a handset for private communication, a door release button, chime volume control and a button to call sub handsets (IEH-1CD). Maximum three IEH-1CD may be connected in a system.	<b>284,29 €</b>
	<b>I205C</b>	AIPHONE™ IEH-1CD Sub Handset	100 x 210 x 61 mm	White ABS Plastic	Wall Mount	From Master Station	The IEH-1CD is a sub handset used with the IE-1GD or IE-2AD master handset. Up to four sub handsets can be connected to a master. It features a handset for private communication, call indicator LED and a door release button.	<b>101,92 €</b>
	<b>I205D</b>	AIPHONE™ IE-2A2D(U) Master Handset	100 x 210 x 68 mm	White ABS Plastic	Wall Mount	12-16VAC (200 mA) or 12-24VDC (200 mA)	Master handset to communication with maximum two IE series door station. Door call-in is announce with either a two or four stroke chime and an LED indicator. It features a handset for private communication, a door release button, chime volume control and a button to call sub handsets (IEH-1CD). Maximum three IEH-1CD may be connected in a system.	<b>282,53 €</b>
	<b>I205E</b>	AIPHONE™ IEH-1C2D Sub-Master Handset	100 x 210 x 61 mm	White ABS Plastic	Wall Mount	From Master Station	Audio handset sub master station is for use with the IE2A2DU master stations; max of two per system. Two and Four tone electronic chime. Chime volume adjustment on handsets. Answer the door from any room station. All Call internal calling between handsets. Door release button (additional hardware required).	<b>141,60 €</b>
	<b>I204MD</b>	AIPHONE™ IE-8MD Master Handset	110 x 210 x 79 mm	White ABS Plastic	Wall Mount	12-16VAC (900 mA) or 12-18VDC (500 mA)	Master handset to communication with maximum two IE series door station. Door call-in is announce with either a two or four stroke chime and an LED indicator. The IE-8MD features a handset for private communication, selective door release control, chime volume control and selective calling to sub handsets (IE-8HD). Maximum five IE-8HD can be connected in a system.	<b>291,17 €</b>
	<b>I204HD</b>	AIPHONE™ IE-8HD Sub Handset	110 x 210 x 79 mm	White ABS Plastic	Wall Mount	From Master Station	Sub handset to communication with maximum two IE series door station. Door call-in is announce with either a two or four stroke chime. It features a handset for private communication, selective door release control, chime volume control and selective calling to sub handsets (IE-8HD). Maximum five IE-8HD can be connected in a system an IE-8MD must be included as a master handset when using the IE-8HD.	<b>123,89 €</b>

# 5.2

## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ TC Series Intercoms









	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I433M10</b>	AIPHONE™ TC-10M Central Unit	117 x 255 x 230 mm	BUS up to 10 Stations (upgradable up to 60)	Wall Mount or Desktop	18V DC, 350mA (Using PS-1820UL)	The TC-10M is an internal telephone type system, expandable up to 60 subs and 2 masters. Communicates with TB-SE handset subs and IE/IF door stations (requires adaptor).	<b>617,45 €</b>
	<b>I433M20</b>	AIPHONE™ TC-20M Central Unit	117 x 330 x 230 mm	BUS up to 20 Stations (upgradable up to 60)	Wall Mount or Desktop	18V DC, 350mA (Using PS-1820UL)	The TC-20M is an internal telephone type system, expandable up to 60 subs and 2 masters. Communicates with TB-SE handset subs and IE/IF door stations (requires adaptor).	<b>815,40 €</b>
	<b>I433G20</b>	AIPHONE™ TC-20G Expansion Unit	97 x 150 x 230 mm	BUS Upgrade - 20 Stations	Wall Mount or Desktop	Voltage from TC-M Master Station	The TC-20G is 20 call add on selector panel used to expand the TC-M system.	<b>492,02 €</b>
	<b>I433G40</b>	AIPHONE™ TC-40G Expansion Unit	97 x 300 x 230 mm	BUS Upgrade - 40 Stations	Wall Mount or Desktop	Voltage from TC-M Master Station	The TC-40G is 40 call add on selector panel used to expand the TC-M system.	<b>905,41 €</b>
	<b>I438</b>	AIPHONE™ TB-SE Handset	110 x 210 x 79 mm	2 non-polarized wires to TC-M Master Station	Wall Mount	Voltage from TC-M Master Station	Handset sub station for the TC-M system.	<b>72,97 €</b>
	<b>I429L1</b>	AIPHONE™ TB-AD1 Adaptor	140 x 74 x 42 mm	2 non-polarized wires to TC-M Master Station	Wall Mount	Voltage from TC-M Master Station	1-Station Audio Door Adaptor For TC-M.	<b>119,86 €</b>
	<b>I429L10</b>	AIPHONE™ TB-AD10 Adaptor	97 x 150 x 230 mm	2 non-polarized wires to TC-M Master Station	Wall Mount	Voltage from TC-M Master Station	10-Stations Audio Door Adaptor For TC-M.	<b>506,67 €</b>

# 5.2

## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ NIM Series Intercoms

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I505C20</b>	AIPHONE™ NIM-20B Master Station	330 x 230 x 140 mm	BUS up to 20 stations	Wall Mount or Desktop	48 VDC (using IS-PU-UL)	20-Call Audio Master Station. The NIM-20B supports up to 20 door stations, sub stations, and ceiling speakers. It provides Selective Call, Group Call, and All Call. The NIM-20B has a handset for privacy.	<b>1.553,71 €</b>
	<b>I505C40</b>	AIPHONE™ NIM-40B Master Station	480 x 230 x 140 mm	BUS up to 40 stations	Wall Mount or Desktop	48 VDC (using IS-PU-UL)	40-Call Audio Master Station. The NIM-40B supports up to 40 door stations, sub stations, and ceiling speakers. It provides Selective Call, Group Call, and All Call. The NIM-40B has a handset for privacy.	<b>2.238,77 €</b>
	<b>I506AT</b>	AIPHONE™ NI-LB Speaker	120 x 120 x 2 mm (Front Side)	4 Wires to NIM Main Station	Flush	From NIM Main Station	Flush mount ceiling speaker for use with the NIM system.	<b>79,88 €</b>
	<b>I506MT</b>	AIPHONE™ NI-SB Adaptor	ø 105 x 5 mm (Front Side)	2 Wires to NI-LB	Flush	From NIM Main Station	Talk back adaptor for NI-LB.	<b>41,36 €</b>
	<b>I507SS</b>	AIPHONE™ NI-BA Caller	130 x 150 x 33 mm	3 Wires to NIM Main Station	Flush	From NIM Main Station	Single call audio only interior sub station for use with NIM masters.	<b>122,90 €</b>
	<b>I507SE</b>	AIPHONE™ NI-JA Door Station	120 x 120 x 2 mm (Front Side)	3 Wires to NIM Main Station	Flush	From NIM Main Station	Stainless Steel Door Station. The NI-JA is a vandal proof and weather resistant sub station. It is constructed with 12-gauge stainless steel, a baffle protected speaker and limited stop call button. The unit can either be flush mounted into a 2-gang box or surface mounted with the SBX-2G. The NI-JA includes tamper proof screws and a tool for installation.	<b>184,98 €</b>
	<b>I507SM</b>	AIPHONE™ NI-RC Caller	56 x 171.5 x 28 mm (Main Unit)	Connected to NIR-HP Jack	Hanging Attachment	Direct from Jack	Single call audio to be used from bed.	<b>119,59 €</b>
	<b>I510RS</b>	AIPHONE™ NI-SOFT Software	CD-ROM	RS232 wire (included)	Windows 7 (Service Pack 1 - 32/64bit), 8.1/Pro (32/64bit)	N/A	AIPHONE™ NIM series call log software.	<b>81,92 €</b>

# 5.2

## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ NIM Series Lapms and Push buttons





	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I509PC</b>	AIPHONE™ NIR-6 Call Button	70 x 120 x 13 mm (Front Side)	BUS to NIM Main Station	Flush	Direct from Jack	Flush mount call button.	<b>30,21 €</b>
	<b>I509LA</b>	AIPHONE™ NIR-4 Lamp	70 x 120 x 21.5 mm (Front Side)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp for 1 bed.	<b>28,99 €</b>
	<b>I509PR</b>	AIPHONE™ NIR-2 Recall Button	70 x 120 x 13 mm (Front Side)	BUS to NIM Main Station	Flush	Direct from Jack	Flush mount recall button.	<b>28,56 €</b>
	<b>I509LB</b>	AIPHONE™ NIR-4BZ Lamp	116 x 120 x 27 mm (Frontal)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp with beeper for single call.	<b>111,33 €</b>
	<b>I509LC</b>	AIPHONE™ NIR-42 Lamp	116 x 120 x 27 mm (Front Side)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp with reset push button for single call.	<b>78,62 €</b>
	<b>I509LD</b>	AIPHONE™ NIR-4S Lamp	70 x 120 x 21.5 mm (Frontal)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp for several beds.	<b>59,59 €</b>
	<b>I509L1</b>	AIPHONE™ NIR-31 Lamp	190 x 144 x 24 + 16 mm (Front Side)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp with space for 1 names.	<b>154,77 €</b>
	<b>I509L2</b>	AIPHONE™ NIR-32 Lamp	190 x 144 x 24 + 16 mm (Front Side)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp with space for 2 names.	<b>172,99 €</b>

# 5.2




## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ NIM Series Lapms and Push buttons

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	I509L4	AIPHONE™ NIR-34 Lamp	360 x 144 x 24 + 16 mm (Front Side)	BUS to NIM Main Station	Flush	From NIM Main Station	Hallway lamp with space for 4 names.	236,30 €
	I509PB	AIPHONE™ NIR-7W Call Button	70 x 120 x 11 mm (Front Side)	BUS to NIM Main Station	Flush	Direct from Jack	WC call button.	58,35 €
	I509PT	AIPHONE™ NIR-7HW Call Button	70 x 120 x 11 mm (Front Side) + 550 mm	BUS to NIM Main Station	Flush	Direct from Jack	WC call button with handle.	69,51 €
	I509PM	AIPHONE™ NIR-8A Push Button	ø36 x 95 mm + 1.4 m	Connected to NIR-7BS Jack	Without Stand	Direct from Jack	Push button to make calls.	29,79 €

### AIPHONE™ NIM Series Wall Docks



	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	I508A	AIPHONE™ NIR-HP Wall Dock	70 x 120 x 12 mm (Front Side)	Jack-BUS connected to NIM Main Station	Flush	From NIM Main Station	Wall base for NI-RC.	41,79 €
	I508B	AIPHONE™ NIR-HPF Wall Dock	116 x 120 x 23 mm (Front Side)	Jack-BUS connected to NIM Main Station	Flush	From NIM Main Station	Wall base for NI-RC with caller.	81,11 €
	I508C	AIPHONE™ NIR-MB Wall Dock	70 x 120 x 12 mm (Front Side)	Jack-BUS connected to NIM Main Station	Flush	From NIM Main Station	Wall base for NIR-8A with speaker.	45,09 €

# 5.2

## INDUSTRY, OFFICES AND COMMERCIAL SPACES

Indoor and outdoor stations for offices, industry and commercial environments

### AIPHONE™ NIM Series Wall Docks




	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I508D</b>	AIPHONE™ NIR-1 Wall Dock	70 x 120 x 12 mm (Front Side)	Jack-BUS connected to NIM Main Station	Flush	From NIM Main Station	Wall base for NIR-8A.	<b>28,56 €</b>
	<b>I508E</b>	AIPHONE™ NIR-7BS Wall Dock	70 x 120 x 12 mm (Front Side)	Jack-BUS connected to NIM Main Station	Flush	From NIM Main Station	Latch wall base for NIR-8A.	<b>93,11 €</b>

# 5.3



## TELEPHONE INTERCOMS SYSTEM PANELS

Communication elements for ON LINE analog connection (Wired Phone Network)

### AIPHONE™ TL Series Intercoms

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I220PT</b>	AIPHONE™ TLI1 Main Panel	120 x 220 x 4 mm (Outdoor)	2 non-polarized wires BUS to RTB	Flush	12 VDC	The TLI1 is a stainless steel flush mount entry panel with 1 push button. Can be programmed with up to 2 different phone numbers for calling (day/night). Remote configuration using DTMF. Tamper ready and calling volumen control.	<b>873,99 €</b>
	<b>I220E</b>	AIPHONE™ TLI1K Main Panel	120 x 280 x 4 mm (Outdoor)	2 non-polarized wires BUS to RTB	Flush	12 VDC	The TLI1K is a stainless steel flush mount entry panel with 1 push button and a keyboard. Can be programmed with up to 2 different phone numbers for calling (day/night). Remote configuration using DTMF. Tamper ready and calling volumen control.	<b>1.275,69 €</b>
	<b>I220PM</b>	AIPHONE™ TLI2 Main Panel	120 x 220 x 4 mm (Outdoor)	2 non-polarized wires BUS to RTB	Flush	12 VDC	The TLI2 is a stainless steel flush mount entry panel with 2 push buttons. Can be programmed with up to 2 different phone numbers for calling (day/night). Remote configuration using DTMF. Tamper ready and calling volumen control.	<b>924,00 €</b>









### AIPHONE™ TL Series Hooded Boxes

	Code	Model	Size	Interface	Installation	Voltage	Description	List Price
	<b>I220PV</b>	AIPHONE™ CTLI Hooded Surface Box	125 x 225 x 60 mm	TLI1 y TLI2	Steel	Surface	Hooded surface box for TLI1 and TLI2 connection boards. Made of steel. Size: 125 x 225 x 60.	<b>120,89 €</b>
	<b>I220PX</b>	AIPHONE™ CTLI2 Hooded Surface Box	125 x 285 x 60 mm	TLI1K, TLI4 y TLI1BM	Steel	Surface	Hooded surface box for TLI1K connection board. Made of steel. Size: 125 x 285 x 60.	<b>142,31 €</b>

# 5.4 | VIDEO DOOR STATIONS

## Control elements for system operators



### AIPHONE™ JP Series Intercoms

	Code	Model	Size	Interface	Audio	Video	Description	List Price
	<b>I177CA</b>	Kit AIPHONE™ JPS-4AEDV	255 x 145 x 30 mm (Main Station)	2 twisted pairs from CAT-5e/6 wire	Handset / Hands- Free (Main Station)	Touch Screen LCD 7" (1/4" color CMOS Camera)	7" touchscreen handset / hands-free 4 x 8 color video set. (JP-4MED, JP-DV, PS-2420UL)	<b>1.183,45 €</b>
	<b>I177CB</b>	Kit AIPHONE™ JPS-4AEDF	255 x 145 x 30 mm (Main Station)	2 twisted pairs from CAT-5e/6 wire	Handset / Hands- Free (Main Station)	Touch Screen LCD 7" (1/4" color CMOS Camera)	7" touchscreen handset / hands-free 4 x 8 color video set. (JP-4MED, JP-DVF, PS-2420UL)	<b>1.183,45 €</b>
	<b>I177A</b>	AIPHONE™ JP-4MED Master Station	255 x 145 x 30 mm	2 twisted pairs from CAT-5e/6 wire	Handset / Hands-Free	Touch Screen LCD 7" (1/4" color CMOS Camera)	Video master station. Offers handset (duplex) and hands-free (VOX) communication. This unit will support up to 4 door stations and 7 sub masters. All inside stations are equipped with a door release button for the user to allow visitor entry. It is also equipped with PTZ and brightness controls, giving the user control of the door station camera angle and camera lighting for better visibility. Picture memory records up to 20 calls to internal memory and 1,000 calls to a removable SD / SDHC card (not included).	<b>784,77 €</b>
	<b>I177B</b>	AIPHONE™ JP-4HD Sub-Master Station	255 x 145 x 30 mm	2 twisted pairs from CAT-5e/6 wire	Handset / Hands-Free	Touch Screen LCD 7" (1/4" color CMOS Camera)	Video sub master station for use with the JP-4MED master station. A maximum of 7 sub master stations can be used in the JP Series. It allows for handset (duplex) and hands-free (VOX) communication. This unit is equipped with a door release button for the user to allow visitor entry. It is also equipped with PTZ and brightness controls, giving the user control of the door station camera angle and camera lighting for better visibility.	<b>710,33 €</b>
	<b>I177PA</b>	AIPHONE™ JP-DVFL Video Door Station	209 x 135 x 5.6 mm (Outdoor)	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands- Free	525 TVL with LEDs	Vandal resistant, flush mount door station used with the JP hands-free, color video entry series. The unit comes complete with mounting box to ease installation. Its faceplate is stainless steel, the call button is metal and the camera is protected with a clear polycarbonate lens cover. It features a color CMOS camera, speaker and mic for communication, illuminated call directory and white illumination LED for low light conditions.	<b>1.141,67 €</b>
	<b>I177PB</b>	AIPHONE™ JP-DV Video Door Station	173 x 98 x 27.1 mm	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands- Free	525 TVL with LEDs	Vandal resistant, surface mount door station used with the JP hands-free, color video entry series. The unit mounts directly to wall surface or to a 1-gang box with MKW-P plate. Its faceplate is cast zinc, the call button is metal and the camera is protected with a clear polycarbonate lens cover. It features a color CMOS camera, speaker and mic for communication, illuminated call directory and white illumination LED for low light conditions.	<b>399,96 €</b>
	<b>I177PC</b>	AIPHONE™ JP-DVF Video Door Station	209 x 135 x 5.6 mm (Outdoor)	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands- Free	525 TVL with LEDs	Vandal resistant, flush mount door station used with the JP hands-free, color video entry series. The unit comes complete with mounting box to ease installation. Its faceplate is stainless steel, the call button is metal and the camera is protected with a clear polycarbonate lens cover. It features a color CMOS camera, speaker and mic for communication, illuminated call directory.	<b>407,58 €</b>
	<b>I177DA</b>	AIPHONE™ JP-8Z Distribution Adaptor	123 x 109 x 61 mm	2 twisted pairs from CAT-5e/6 wire	N/A	N/A	Distribution adaptor for the JM Series. The adaptor is utilized when homerun wiring is desired. The JP-4MED master station and each JP-4HD sub master station will connect to this adaptor using CAT-5e/CAT-6 cable. It can surface mount using the mounting holes or with the W-DIN11 mounting rail. One or two PS-2420UL power supplies are used, depending on how many sub master stations are connected.	<b>176,72 €</b>






# 5.4 | VIDEO DOOR STATIONS

## Control elements for system operators

### AIPHONE™ JP Series Intercoms

	Code	Model	Size	Interface	Audio	Video	Description	List Price
	<b>I177LA</b>	AIPHONE™ JPW-BA Video Adaptor	123 x 109 x 61 mm	2 twisted pairs from CAT-5e/6 wire	NO	2 x BNC Inputs	Long distance video adaptor for camera-to-monitor wire run. Compatible with JP system only. Requires 871802 wire for long distance run.	<b>216,51 €</b>
	<b>I177IP</b>	AIPHONE™ JP-TLIIP Interface	240 x 180 x 55 mm	WIFI + 3G/4G, IP RJ45	Audio Supported (iOS and Android)	Video Supported (iOS and Android)	IP interface for smartphones and tablets.	<b>1.371,55 €</b>


### AIPHONE™ JO Series Intercoms

	Code	Model	Size	Interface	Audio	Video	Description	List Price
	<b>I173CA</b>	Kit AIPHONE™ JOS-1V	130.17 x 230 x 20.63 mm	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands-Free	Touch Screen LCD 7" (1/4" color CMOS Camera)	Kit with JO-1MD, JO-DV, 1820UL.	<b>749,62 €</b>
	<b>I173CB</b>	Kit AIPHONE™ JOS-1F	130.17 x 230 x 20.63 mm	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands-Free	Touch Screen LCD 7" (1/4" color CMOS Camera)	Kit with JO-1MD, JO-DVF, 1820UL.	<b>741,91 €</b>
	<b>I173F</b>	AIPHONE™ JO-1MD Main Monitor	130.17 x 230 x 20.63 mm	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands-Free	Touch Screen LCD 7" (1/4" color CMOS Camera)	7" screen, hand freem communication, door strike.	<b>486,24 €</b>
	<b>I173EA</b>	AIPHONE™ JO-1FD Expansion Monitor	130.17 x 230 x 20.63 mm	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands-Free	Touch Screen LCD 7" (1/4" color CMOS Camera)	7" screen, hand freem communication, door strike.	<b>472,59 €</b>
	<b>I173T</b>	AIPHONE™ JO-DV Video Door Station	179 x 98 x 26.8 mm	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands-Free	Color Camera with White LEDs	Aluminum die cast surface mount colour video door station for the JO Series video intercom system. The door station connects to the master station or expansion station using an 18AWG 2-conductor solid core cable. It has an integral camera, microphone, speaker, and call button. Tamper resistant screws are provided for mounting. 2-way hands-free voice communication with JO master and expansion unit. Call button to initiate call to master(s).	<b>223,62 €</b>







# 5.4 | VIDEO DOOR STATIONS

## Control elements for system operators

### AIPHONE™ JO Series Intercoms

	Code	Model	Size	Interface	Audio	Video	Description	List Price
	<b>I173P</b>	AIPHONE™ JO-DVF Video Door Station	209 x 135 mm (Frontal)	2 twisted pairs from CAT-5e/6 wire	Microphone and Hands-Free	Color Camera with White LEDs	Aluminum die cast flush mount colour video door station for the JO Series video intercom system. The door station connects to the master station or expansion station using an 18AWG 2-conductor solid core cable. It has an integral camera, microphone, speaker, and call button. Tamper resistant screws are provided for mounting. 2-way hands-free voice communication with JO master and expansion unit. Call button to initiate call to master(s).	<b>221,42 €</b>





### AIPHONE™ JK Series Intercoms

	Code	Model	Size	Interface	Audio/Video	Voltage	Description	List Price
	<b>I182C</b>	AIPHONE™ JKS-1AEDV Master Monitor	185 x 135 x 27 mm (Master)	2 twisted pairs from CAT-5e/6 wire	TFT 3.5" Monitor, 525 TVL + Hands-Free	18 VDC (using PS-1820UL, included)	This set includes one JK-1MED master monitor, one PS-1820UL power supply and one JK-DA Surface mount door station.	<b>996,43 €</b>
	<b>I182D</b>	AIPHONE™ JKS-1AEDF Master Monitor	185 x 135 x 27 mm (Master)	2 twisted pairs from CAT-5e/6 wire	TFT 3.5" Monitor, 525 TVL + Hands-Free	18 VDC (using PS-1820UL, included)	This set includes one JK-1MED master monitor, one PS-1820UL power supply and one JK-DVF Stainless Steel Flush Mount door station.	<b>1.009,48 €</b>
	<b>I186M</b>	AIPHONE™ JK-DV Video Door Station	173 x 98 x 29.5 mm	2 twisted pairs from CAT-5e/6 wire	525 TVL Camera + Hands-Free	18 VDC (using PS-1820UL, NOT included)	The JK-DV is a vandal resistant, surface mount door station used with the JK hands-free, color video entry series. The unit mounts directly to wall surface or to a 1-gang box with MKW-P plate. The JK-DV faceplate is cast zinc, the call button is metal and the camera is protected with a clear polycarbonate lens cover. The JK-DV features a color CMOS camera, speaker and mic for communication, illuminated call directory and white illumination LED for low light conditions.	<b>430,15 €</b>
	<b>I186E</b>	AIPHONE™ JK-DVF Video Door Station	209 x 135 x 8 mm	2 twisted pairs from CAT-5e/6 wire	525 TVL Camera + Hands-Free	18 VDC (using PS-1820UL, NOT included)	The JK-DVF is a vandal resistant, flush mount door station used with the JK hands-free, color video entry series. The unit comes complete with mounting box to ease installation. The JK-DVF faceplate is stainless steel, the call button is metal and the camera is protected with a clear polycarbonate lens cover. The JK-DVF features a color CMOS camera, speaker and mic for communication, illuminated call directory and white illumination LED for low light conditions.	<b>436,06 €</b>
	<b>I184T</b>	AIPHONE™ JK-1MED Master Monitor	185 x 135 x 27 mm	2 twisted pairs from CAT-5e/6 wire	TFT 3.5" Monitor, 525 TVL + Hands-Free	18 VDC (using PS-1820UL, NOT included)	The JK-1MED is an open voice, color video master monitor with Pan/Tilt/Zoom controls and Picture Memory that allows the connection of one single video door station and an additional sub monitor. The unit features a 3-1/2" TFT Color monitor, a TALK button for PTT or VOX activated communication, button for Pan/Tilt/Zoom control, Call button to call sub monitor, button for brightness controls, and controls for Picture Memory.	<b>741,89 €</b>
	<b>I184M</b>	AIPHONE™ JK-1HD Sub Monitor	185 x 135 x 27 mm	2 twisted pairs from CAT-5e/6 wire	TFT 3.5" Monitor, 525 TVL + Hands-Free	18 VDC (using PS-1820UL, NOT included)	The JK-1HD is a sub monitor for the JK hands-free color video series. The unit features a 3-1/2" TFT Color monitor, a TALK button for PTT or VOX activated communication, button for Pan/Tilt/Zoom control, Call button to call master monitor, and button for brightness controls.	<b>336,37 €</b>

# 5.4 | VIDEO DOOR STATIONS

## Control elements for system operators









### AIPHONE™ JK Series Intercoms

	Code	Model	Size	Interface	Audio/Video	Voltage	Description	List Price
	<b>I184Z</b>	AIPHONE™ JK-1SD Audio Only Sub Station	185 x 80 x 27 mm	2 twisted pairs from CAT-5e/6 wire	Hands-Free	18 VDC (using PS-1820UL, NOT included)	The JK-1SD is an audio only Sub Station that can be connected in place of the sub monitor in the JK series system. The unit features a TALK button to activate the VOX or PTT style communication, separate off button, a call tone volume and receive volume control, a call button to call master, and a button for door release.	<b>145,61 €</b>
	<b>I180AIP</b>	AIPHONE™ JKW-IP Adapter	200 x 150 x 35.5 mm	Ethernet RJ45 connector using 2 twisted pairs from CAT-5e/6	Allows Audio and Video Recording	18 VDC (using PS-1820UL, NOT included)	IP adapter for JK series.	<b>1.018,62 €</b>
	<b>I180IT</b>	AIPHONE™ JK-TLI Interface	180 x 240 x 53 mm	2 twisted pairs from CAT-5e/6 wire	Hands-Free	12 VDC (included)	Phone interface for JK series.	<b>652,14 €</b>
	<b>I183L</b>	AIPHONE™ JKW-BA Adapter	108.5 x 122.5 x 61 mm	2 twisted pairs from CAT-5e/6 wire	Allows Audio and Video Transmission	18 VDC (using PS-1820UL, NOT included)	Long distance video adaptor for camera to monitor wire run. Compatible with JK system only. Requires 85160210C wire for long distance run.	<b>212,79 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

## Indoor and outdoor stations for condominiums









### AIPHONE™ GT Series Intercoms

	Code	Model	Size	Interface	Audio/Video	Voltage	Description	List Price
	<b>I176PE</b>	AIPHONE™ GT-DM Main Panel	410 x 147 x 66,67 mm	USB connector + 2 non-polarized wires BUS	Hands-Free + 3.5" LDC Screen + Camera	24 VDC (Using PS-2420UL NOT included)	It is an all-in-one stainless steel entrance panel with audio, video, name scroll, and keypad. The new camera has a 170° viewing angle with PanTilt & Zoom. Voice annunciation when the visitor calls in. The LCD can be set to Energy Saver mode and the built-in motion sensor will activate the LCD when a visitor approaches. The keypad will support up to 500 access codes for keyless entry.	<b>1.134,63 €</b>
	<b>I176MA</b>	AIPHONE™ GT-DA-L Audio Module	95 x 109 x 7 mm	2 non-polarized wires BUS	Hands-Free	Voltage from GT-NS-V/ GT-NS Module	Audio speaker module with guidance for the GT entrance panel.	<b>93,27 €</b>
	<b>I176MC</b>	AIPHONE™ GT-VA Camera Module	95 x 109 x 7 mm	2 non-polarized wires BUS	Hands-Free + Camera for 7" Image Screen	Voltage from GT-DA-L/ GT-DA Module	Camera Module for GT main unit.	<b>264,00 €</b>
	<b>I176AD</b>	AIPHONE™ GT-AD Address Module	95 x 109 x 7 mm	N/A	N/A	Voltage from GT-DA-L/ GT-DA Module	Address Module.	<b>33,34 €</b>
	<b>I176MB</b>	AIPHONE™ GT-SW Module	95 x 109 x 7 mm	2 non-polarized wires BUS	N/A	Voltage from GT-DA-L/ GT-DA Module	4 call switch module for the GT entrance panel.	<b>20,55 €</b>
	<b>I176MP</b>	AIPHONE™ GT-NS Scroll Module	95 x 109 x 7 mm	2 non-polarized wires BUS	Alphanumeric LCD Display	Voltage from GT-DA-L/ GT-DA Module	Digital scroll module with LCD for GT entrance panel.	<b>249,71 €</b>
	<b>I176PR</b>	AIPHONE™ GT-10K Keypad Module	95 x 109 x 7 mm	2 non-polarized wires BUS	N/A	Voltage from GT-NS-V/ GT-NS Module	10 Key module for the GT entrance panel.	<b>50,66 €</b>
	<b>I176CA</b>	AIPHONE™ GT-AC Access Keypad	95 x 109 x 7 mm	2 non-polarized wires BUS	N/A	Voltage from GT-NS-V/ GT-NS Module	The GT-AC is an access keypad module for the GT multi-tenant entry panels. It will hold up to 100 codes for access. The GT-AC provides 2 dry contact relays. N/O dry contact for door release and N/C dry contact for mag lock activation.	<b>227,41 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

## Indoor and outdoor stations for condominiums









### AIPHONE™ GT Series Intercoms

	Code	Model	Size	Interface	Audio/Video	Voltage	Description	List Price
	<b>I176MF</b>	AIPHONE™ GT-2C-L Indoor Station	139.7 x 190.5 x 31.75 mm	2 non-polarized wires BUS	Hands-Free and 3.5" LDC Screen	24 VDC (Using PS-2420UL NOT included)	GT-2C-L from AIPHONE™ is a monitor apartment master station. The master station with the recording function can be connected with 3 security lines and an emergency button. If a connected sensor detects a break-in, or an emergency button is pressed, the alarm will be triggered after the set time.	<b>489,04 €</b>
	<b>I176M</b>	AIPHONE™ GT-1C-L Indoor Station	165.1 x 200 x 25 mm	2 non-polarized wires BUS	Hands-Free and 7" LDC Screen	24 VDC (From GT-BC Module)	Full duplex hands-free colour monitor with magnetic loop 3.5" LCD monitor (9 cm); excellent visual comfort. 170° wide-angle view. Zoom on 9 areas. Optional different colour variations. 3.5" LCD color monitor. Hands-free audio communication. Optional Handset for privacy (GT-HS; not included). Door release button. PTZ & brightness control. Call tone volume control. Communication volume control.	<b>335,72 €</b>
	<b>I176AA</b>	AIPHONE™ GT-1D Audio Station	200 x 88.9 x 50.8 mm	2 non-polarized wires BUS	Handset	24 VDC (From GT-BC Module)	The GT-1D is an audio only tenant station for use with the GT multi-tenant system. A max of 500 stations can be used in a system.	<b>53,96 €</b>
	<b>I176EC</b>	AIPHONE™ GT-2H-L Audio/Video Handset	165.1 x 200 x 25 mm	2 non-polarized wires BUS	Hands-Free and 7" LDC Screen	24 VDC (From GT-BC Module)	It is an audio/video hands free tenant sub master for use with the GT-2C master. Up to three GT-2H sub masters can be connected to each GT-2C master in the system.	<b>408,11 €</b>
	<b>I176MH</b>	AIPHONE™ GT-1M-L Audio/Video Handset	210 x 215 x 69 mm	2 non-polarized wires BUS	Hands-Free + Alphanumeric LCD Display	24 VDC (Using PS-2420UL NOT included)	The GT-1M-L is a color audio/video handset tenant station for use with the GT multi-tenant entry system. A max of 500 stations can be used in a system.	<b>298,72 €</b>
	<b>I176AL</b>	AIPHONE™ GT-1A Audio Only Tenant Station	155 x 101 x 31.75 mm	2 non-polarized wires BUS	Hands-Free	24 VDC (From GT-BC Module)	The GT-1A is used to communicate with a person at a GT entrance panel. The unit features a large Push-to-Talk button, security guard call, door release button, and a call tone volume control. Up to 500 stations can be used in a system.	<b>80,58 €</b>
	<b>I176AP</b>	AIPHONE™ GT-D Door Station	200 x 88.9 x 50.8 mm	2 non-polarized wires BUS	Handset	24 VDC (From GT-BC Module)	The GT-D is an audio only door station for use at an individual tenant door station when using the GT-2C tenant station. The door station can also be used with the JP-4MED master station.	<b>109,78 €</b>
	<b>I176AT</b>	AIPHONE™ GT-HS Audio Handset	155 x 80 x 31.75 mm	Direct BUS to Main Station (4 wires)	Handset	Voltage from Main Station	The GT-HS is used to add a privacy handset to the GT-1C, GT-2C, or GT-2H tenant stations.	<b>87,56 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

Indoor and outdoor stations for condominiums


## AIPHONE™ GT Series Intercoms

	Code	Model	Size	Interface	Audio/Video	Voltage	Description	List Price
	<b>I176T</b>	AIPHONE™ GT-TLI Adaptor	242 x 180 x 52 mm	BUS converter to RTC	N/A	12V-24V AC/DC - 0.5A	Telephone Line Interface adaptor that connects to a GT Series Tenant Station and provides automatic telephone dialing when that tenant is called. It can also be programmed to directly dial a telephone number when called from the GT Series Entrance Panel, even without a tenant station designated. Once communication is established through the phone line, the associated door can be released from the telephone.	<b>758,32 €</b>
	<b>I176CC</b>	AIPHONE™ GT-MK Concierge/Guard Station	210 x 215 x 69 mm	2 non-polarized wires BUS	Hands-Free + LCD 3.5" Color Display	24 VDC (Using PS-2420UL NOT included)	The GT-MK is used to communicate with a GT entrance panel or individual tenant stations. It can be included in either an audio only or audio/video system. The unit features a door release button, ten key dialing for calling and a VFD display for individual name scrolling. Up to 4 GT-MK stations can be used in a system.	<b>414,88 €</b>
	<b>I176U</b>	AIPHONE™ GT-BC Audio Control Unit	122.17 x 107.95 x 60.32 mm	2 non-polarized wires BUS	N/A	24 VDC (Using PS-2420UL NOT included)	GT-BC Audio bus control unit for the GT system. 1 per standard system.	<b>54,05 €</b>
	<b>I176UC</b>	AIPHONE™ GT-VBC Video Control Unit	122.17 x 107.95 x 60.32 mm	2 non-polarized wires BUS	N/A	24 VDC (Using PS-2420UL NOT included)	Video control unit for the GT system. Unit supports 5 video inputs and 6 trunk line outputs.	<b>132,46 €</b>
	<b>I176UA</b>	AIPHONE™ GT-BCX Audio Control Unit	209.55 x 107.95 x 60.32 mm	2 non-polarized wires BUS	N/A	24 VDC (Using PS-2420UL NOT included)	Audio control unit for the expanded GT system. 1 per system when using more than 5 entrances, 2 concierge stations, or 48 tenant stations. Mounting rail included.	<b>291,80 €</b>
	<b>I176UE</b>	AIPHONE™ GT-VBX Video Control Unit	209.55 x 107.95 x 60.32 mm	2 non-polarized wires BUS	N/A	24 VDC (Using PS-2420UL NOT included)	Expanded video control unit for the GT system with more than 5 entrances, 2 concierge stations, or 48 tenant stations. 1 per system. Mounting rail included.	<b>198,68 €</b>
	<b>I176D4</b>	AIPHONE™ GT-4Z Adaptor	122.17 x 107.95 x 60.32 mm	2 non-polarized wires BUS	N/A	24 VDC (Using PS-2420UL NOT included)	4 monitor distribution adaptor for the GT system. Maximum of 6 GT-4Z's per trunk line.	<b>35,21 €</b>
	<b>I176ER</b>	AIPHONE™ GT-RY Relay	50 x 30 x 10 mm	CN-6 Connector	N/A	Voltage from GT-DA-L Module	Light control and external signaling relay for the GT system.	<b>64,09 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

Indoor and outdoor stations for condominiums

## Installation Elements for AIPHONE™ GT and GF Series Intercoms

	Code	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>I176PN</b>	AIPHONE™ GT-NSP-L Front Cover	110 x 95.2 x 7.9 mm	1	Steel with die-cut Zinc	Surface, covering the Module	Front cover for GT-NS digital scroll module.	<b>44,55 €</b>
	<b>I242PF</b>	AIPHONE™ GF-AP Address Module	110 x 95.2 x 7.9 mm	1	Steel with die-cut Zinc	Surface, covering the Module	Address module for the GT entrance panel.	<b>18,78 €</b>
	<b>I176PC</b>	AIPHONE™ GT-VP Camera Panel	110 x 95.2 x 7.9 mm	1	Steel with die-cut Zinc	Surface, covering the Module	Panel for camera module.	<b>25,88 €</b>
	<b>I176PA</b>	AIPHONE™ GT-DP-L Front Panel	110 x 95.2 x 7.9 mm	1	Steel with die-cut Zinc	Surface, covering the Module	Front panel cover for the GT-DA-L guidance enabled voice module.	<b>27,42 €</b>
	<b>I242P1</b>	AIPHONE™ GF-1P Panel	110 x 95.2 x 14.4 mm	1	Steel with die-cut Zinc	Surface, covering the Module	1 call panel for the GT-SW.	<b>22,00 €</b>
	<b>I242P2</b>	AIPHONE™ GF-2P Panel	110 x 95.2 x 14.4 mm	1	Steel with die-cut Zinc	Surface, covering the Module	2 call panel for the GT-SW.	<b>24,98 €</b>
	<b>I242P3</b>	AIPHONE™ GF-3P Panel	110 x 95.2 x 14.4 mm	1	Steel with die-cut Zinc	Surface, covering the Module	3 call panel for the GT-SW.	<b>26,74 €</b>
	<b>I242P4</b>	AIPHONE™ GF-4P Panel	110 x 95.2 x 14.4 mm	1	Steel with die-cut Zinc	Surface, covering the Module	4 call panel for the GT-SW.	<b>26,48 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

Indoor and outdoor stations for condominiums

## Installation Elements for AIPHONE™ GT and GF Series Intercoms

	Code	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>I242PC</b>	AIPHONE™ GF-BP Blank Panel	110 x 95.2 x 14.4 mm	1	Steel with die-cut Zinc	Surface, covering the Module	Blank Panel for GT System. Module space filler.	<b>17,59 €</b>
	<b>I353P</b>	AIPHONE™ GF-10KP Keypad Panel	110 x 95.2 x 14.4 mm	1	Steel with die-cut Zinc	Surface, covering the Module	Panel for digital keypad module (GT-10K)	<b>80,97 €</b>
	<b>I244CS</b>	AIPHONE™ GFW-S Stand	135 x 225 x 16 mm (Box)	N/A	White Plastic	Desktop	Desk top mounting stand. Used for GT-MK and GT-1M-L units.	<b>33,23 €</b>
	<b>I243MS2</b>	AIPHONE™ GF-2F Front Frame	135 x 225 x 16 mm	1 x 2	Steel with die-cut Zinc	Surface	2 module front frame for the GT system.	<b>27,09 €</b>
	<b>I243MS3</b>	AIPHONE™ GF-3F Front Frame	135 x 320 x 16 mm	1 x 3	Steel with die-cut Zinc	Surface	3 module front frame for the GT system.	<b>31,31 €</b>
	<b>I176MM</b>	AIPHONE™ GT-4F Front Frame	135 x 415 x 16 mm	1 x 4	Steel with die-cut Zinc	Surface	4 module front frame for the GT system.	<b>57,10 €</b>
	<b>I244C2</b>	AIPHONE™ GF-2B Backbox	110 x 200 x 44 mm	1 x 2	Stainless Steel	Flush	2 module backbox for GF/GH systems.	<b>7,83 €</b>
	<b>I244C3</b>	AIPHONE™ GF-3B Backbox	110 x 295 x 44 mm	1 x 3	Stainless Steel	Flush	3 module backbox for GF/GH systems.	<b>8,41 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

Indoor and outdoor stations for condominiums





## Installation Elements for AIPHONE™ GT and GF Series Intercoms

	Code	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>I176CE</b>	AIPHONE™ GT-4B Backbox	110 x 400 x 44 mm	1 x 4	Stainless Steel	Flush	4 module backbox for GF/GH systems.	<b>14,87 €</b>
	<b>I176V2</b>	AIPHONE™ GT-102H Rain Hood	242 x 156 x 41 mm	1 x 2	Stainless Steel	Surface	1 horizontal x 2 vertical rain hood.	<b>130,36 €</b>
	<b>I176C2</b>	AIPHONE™ GT-102HB Hooded Surface Box	242 x 156 x 85 mm	1 x 2	Stainless Steel	Surface	1 horizontal x 2 vertical hooded surface box.	<b>166,79 €</b>
	<b>I176V3</b>	AIPHONE™ GT-103H Rain Hood	338 x 156 x 41 mm	1 x 3	Stainless Steel	Surface	1 horizontal x 3 vertical rain hood.	<b>156,07 €</b>
	<b>I176C3</b>	AIPHONE™ GT-103HB Hooded Surface Box	338 x 156 x 85 mm	1 x 3	Stainless Steel	Surface	1 horizontal x 3 vertical hooded surface box.	<b>198,21 €</b>
	<b>I176VD</b>	AIPHONE™ GT-202H Rain Hood	242 x 292 x 41 mm	2 x 2	Stainless Steel	Surface	2 horizontal x 2 vertical rain hood.	<b>166,04 €</b>
	<b>I176CD</b>	AIPHONE™ GT-202HB Hooded Surface Box	242 x 292 x 85 mm	2 x 2	Stainless Steel	Surface	2 horizontal x 2 vertical hooded surface box.	<b>219,69 €</b>
	<b>I176VT</b>	AIPHONE™ GT-203H Rain Hood	338 x 292 x 41 mm	2 x 3	Stainless Steel	Surface	2 horizontal x 3 vertical rain hood.	<b>195,93 €</b>




# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

## Indoor and outdoor stations for condominiums

### Installation Elements for AIPHONE™ GT and GF Series Intercoms

	Code	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>I176CT</b>	AIPHONE™ GT-203HB Hooded Surface Box	338 x 292 x 85 mm	2 x 3	Stainless Steel	Surface	2 horizontal x 3 vertical hooded surface box.	<b>265,32 €</b>
	<b>I176CX</b>	AIPHONE™ GT-303HB Hooded Surface Box	338 x 425 x 85 mm	3 x 3	Stainless Steel	Surface	3 horizontal x 3 vertical hooded surface box.	<b>274,89 €</b>
	<b>I176V4</b>	AIPHONE™ GT-104H Rain Hood	442 x 156 x 41 mm	1 x 4	Stainless Steel	Surface	1 horizontal x 4 vertical rain hood.	<b>194,75 €</b>
	<b>I176C4</b>	AIPHONE™ GT-104HB Hooded Surface Box	442 x 156 x 85 mm	1 x 4	Stainless Steel	Surface	1 horizontal x 4 vertical hooded surface box.	<b>256,11 €</b>








### Intercommunications for Condominiums

	Code	Model	Size	Interface	Audio	Voltage	Description	List Price
	<b>I166</b>	Kit AIPHONE™ DA-1AS	174 x 101 x 21 mm (Outdoor Plate)	2 non-polarized wires BUS	Handset + Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Set Containing: DA-1DS, DA-1MD & PT-1211C: DA-1DS is a silver door station that connects via two wires to a master DA-1MD. System power is the PT-1211C. The DA-1DS features a 12V AC output for door strike connection, call button and illuminated directory. The master handset DA-1MD features a call tone volume control, handset for communication and button for door release.	<b>126,07 €</b>
	<b>I149A1</b>	Kit AIPHONE™ DBS-1AP	174 x 101 x 21 mm (Outdoor Plate)	2 non-polarized wires BUS	Handset + Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Set Containing: DA-1DS, DB-1MD & PT-1211C: DA-1DS is a silver door station that connects via two wires to a master DB-1MD. System power is the PT-1211C. The DA-1DS features a 12V AC output for door strike connection, call button and illuminated directory. The master handset DB-1MD features a call tone volume control, handset for communication and button for door release.	<b>139,35 €</b>
	<b>I149A2</b>	Kit AIPHONE™ KIT-DB2	174 x 101 x 21 mm (Outdoor Plate)	2 non-polarized wires BUS	Handset + Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Set Containing: DA-2DS, 2 x DB-1MD & 2 x PT-1211C: DA-2DS is a silver door station that connects via two wires to 2 master DB-1MD. System power is the PT-1211C. The DA-2DS features a 12V AC output for door strike connection, call button and illuminated directory. The master handset DB-1MD features a call tone volume control, handset for communication and button for door release.	<b>280,22 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

## Indoor and outdoor stations for condominiums

### Intercommunications for Condominiums

	Code	Model	Size	Interface	Audio	Voltage	Description	List Price
	<b>I149A3</b>	Kit AIPHONE™ KIT-DB3	174 x 101 x 21 mm (Outdoor Plate)	2 non-polarized wires BUS	Handset + Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Set Containing: DA-4DS, 3 x DB-1MD & 2 x PT-1211C: DA-2DS is a silver door station that connects via two wires to 4 master DB-1MD. System power is the PT-1211C. The DA-2DS features a 12V AC output for door strike connection, call button and illuminated directory. The master handset DB-1MD features a call tone volume control, handset for communication and button for door release.	<b>399,84 €</b>
	<b>I149A4</b>	Kit AIPHONE™ KIT-DB4	174 x 101 x 21 mm (Outdoor Plate)	2 non-polarized wires BUS	Handset + Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Set Containing: DA-4DS, 4 x DB-1MD & 2 x PT-1211C: DA-2DS is a silver door station that connects via two wires to 4 master DB-1MD. System power is the PT-1211C. The DA-2DS features a 12V AC output for door strike connection, call button and illuminated directory. The master handset DB-1MD features a call tone volume control, handset for communication and button for door release.	<b>553,49 €</b>
	<b>I166M2</b>	AIPHONE™ DA-2DS 2 Call Door Station	174 x 101 x 21 mm	2 non-polarized wires BUS	Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Silver door station that connects via two wires to the DA-1MD or DB-1MD masters. It features a 12V AC output for door strike connection, selective call buttons and illuminated directories. Pressing a call button on the DA-2DS rings a specific DA-1MD or DB-1MD master. Communication at the DA-2DS is hands free.	<b>70,64 €</b>
	<b>I166M4</b>	AIPHONE™ DA-4DS 4 Call Door Station	174 x 101 x 21 mm	2 non-polarized wires BUS	Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Silver door station that connects via two wires to the DA-1MD or DB-1MD masters. It features a 12V AC output for door strike connection, selective call buttons and illuminated directories. Pressing a call button on the DA-4DS rings a specific DA-1MD or DB-1MD master. Communication at the DA-4DS is hands free.	<b>96,36 €</b>
	<b>I166T</b>	AIPHONE™ DA-1MD Master Handset Station	174 x 101 x 21 mm	2 non-polarized wires BUS	Handset (Full-Duplex)	15VAC - Using PT-1211DR	Master handset features a call tone volume control, handset for communication and button for door release. It connects via two wires to a DA series door station.	<b>66,14 €</b>
	<b>I149M</b>	AIPHONE™ DB-1MD Master Station	185 x 80 x 27 mm	2 non-polarized wires BUS	Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Hands-free master features a call tone volume control with mute indicator, receive volume control, All Call button, Talk button, and Off button. It connects via 2 wires to the DA series door station. Up to 4 sub stations can be added to this master and communication is possible between the 5 total stations via the All Call button.	<b>101,00 €</b>
	<b>I149T</b>	AIPHONE™ DB-1SD Sub-Station	185 x 80 x 27 mm	2 non-polarized wires BUS	Speaker (Full-Duplex)	15VAC - Using PT-1211DR	Hands-free sub station features a call tone volume control with mute indicator, receive volume control, All Call button, Talk button, and Off button. It connects via 4 wires to the DB-1MD master station. Up to 4 sub stations can be added to this master and communication is possible between the 5 total stations via the All Call button.	<b>90,18 €</b>

# 5.5 | CONDOMINIUMS INTERCOM SYSTEMS

Indoor and outdoor stations for condominiums

## Intercommunicators Panels for Condominiums

	Code	Model	Size	Modules	Finish	Mounting	Description	List Price
	<b>I149DB1</b>	AIPHONE™ F-DB1 Front Panel	120 x 225 x 2 mm	For DA-1DS Module	Stainless Steel	Flush	Stainless steel front panel for DA plates with 1 push button, flush mount.	<b>135,26 €</b>
	<b>I149DB2</b>	AIPHONE™ F-DB2 Front Panel	120 x 225 x 2 mm	For DA-2DS Module	Stainless Steel	Flush	Stainless steel front panel for DA plates with 2 push button, flush mount.	<b>148,79 €</b>
	<b>I149DB4</b>	AIPHONE™ F-DB4 Front Panel	120 x 225 x 2 mm	For DA-4DS Module	Stainless Steel	Flush	Stainless steel front panel for DA plates with 4 push button, flush mount.	<b>148,79 €</b>

# 5.6 | ADDITIONAL COMPONENTS FOR INTERCOMS

## Power sources and relays for intercommunication systems






### Power Supplies for Intercom Systems

	Code	Model	Voltage	Current	Finish	Mounting	Description	List Price
	<b>I924UP-AN</b>	AIPHONE™ I-924UP Power Supply	24 VDC	2.0 Amp	ABS Plastic Enclosure	Surface	AIPHONE™ power supply for surface mounting. Input 110/240 VAC. Output 24VDC, 2 Amp. 2 mt output wire included with faston terminals. 1.75 mt unpluggable cable included. ABS plastic enclosure. For JP, GT, GF, etc... series.	<b>91,77 €</b>
	<b>I924D-AN</b>	AIPHONE™ PS-2420D DIN Rail Power Supply	24 VDC	1.0 Amp	Plastic	DIN Rail	AIPHONE™ power supply for DIN Rail mounting. Output 24VDC, 1 Amp. For JP, GT, GF, etc... series.	<b>113,24 €</b>
	<b>I906DR-AN</b>	AIPHONE™ Power Supply for LEM Series	6 VDC	0.3 Amp	Plastic	DIN Rail	AIPHONE™ power supply for LEM Series. 6 VDC, 300 mA. Optional Batteries for C123LPU/A and AT-406P.	<b>43,34 €</b>
	<b>I912D01-AN</b>	AIPHONE™ PS-1215D DIN Rail Power Supply	12 VDC	1.5 Amp	Plastic	DIN Rail	AIPHONE™ power supply for IE and LEM Series. 12VDC and 1.5 A, DIN rail.	<b>76,27 €</b>
	<b>I918DIN-AN</b>	AIPHONE™ PS-1820UL Power Supply	18 VDC	2.0 Amp	ABS Plastic Enclosure	Surface	AIPHONE™ power supply for TC, JO, JK, etc... series, 18 VDC and 2.0 Amp. DIN rail.	<b>100,93 €</b>
	<b>I918UP-AN</b>	AIPHONE™ PS-1831UP Power Supply	18 VDC	2.0 Amp	ABS Plastic Enclosure	Surface	AIPHONE™ power supply for JO, JK, etc... Series, surface mount. Input: 110-240 VAC. Output 18 VDC (max 3.1 Amp). 2 mt output wire included with faston terminals. 1.75 mt unpluggable cable included.	<b>61,18 €</b>
	<b>I373PS-AN</b>	AIPHONE™ IS-PU-S Power Supply	48 VDC	2.0 Amp	Metal	Surface	AIPHONE™ power supply for NIM Series, 48 VDC, 2 Amp.	<b>509,26 €</b>
	<b>I916DR-AN</b>	AIPHONE™ PT-1211DR Power Supply	15 VDC	0.7 Amp	Plastic	DIN Rail	AIPHONE™ power supply. 15 VAC, DIN rail. For condominiums.	<b>18,63 €</b>

# 5.6 | ADDITIONAL COMPONENTS FOR INTERCOMS

## Power sources and relays for intercommunication systems

### Additional Components for AIPHONE™ Intercoms

	Code	Model	Size	Interface	Mounting	Voltage	Description	List Price
	<b>I208</b>	AIPHONE™ IER-2 Chime Extension Speaker	120 x 88 x 29 mm	2 non-polarized wires BUS	Surface	Voltage from Main Station	The IER-2 is used to hear a chime from a door station in a separate location without using extra handset. The IER-2 mounts to a single gang box and features a three position switch for volume control. IE, TC and NEM Series.	<b>25,35 €</b>
	<b>I466</b>	AIPHONE™ TAR-2 Relay	104 x 62 x 41 mm	2 non-polarized wires BUS	Hidden	Voltage from PS-6D or SKK-620	TAR-2 relay for calling control. IE and TC Series.	<b>78,62 €</b>
	<b>I467</b>	AIPHONE™ TAR-3 Relay	104 x 62 x 41 mm	2 non-polarized wires BUS	Hidden	Voltage from PS-6D or SKK-620	TAR-3 relay for external beeper.	<b>78,62 €</b>
	<b>I905A</b>	AIPHONE™ AC-10S Keyboard Opener	125 x 98 x 33 mm	Not Integrated into Intercom System	Surface, IP54	12~24 VAC o VDC (100 mA)	The AC-10S is a stand alone access keypad. It is designed to match the look of Aiphone's JK-DV, JF-DV or MK-DV door stations. The unit is constructed of cast zinc and will hold up to 100 codes for access. The AC-10S provides two dry contacts for door release or mag lock activation.	<b>225,65 €</b>
	<b>I905B</b>	AIPHONE™ AC-10F Keyboard Opener	132 x 117 x 5 mm	Not Integrated into Intercom System	Flush, IP54	12~24 VAC o VDC (100 mA)	The AC-10F is a stand alone flush mount access keypad. The unit is constructed of cast zinc and will hold up to 100 codes for access. The AC-10F provides two dry contacts for door release or mag lock activation.	<b>237,53 €</b>

# 5.6 | ADDITIONAL COMPONENTS FOR INTERCOMMS

## Power sources and relays for intercommunication systems

### AIPHONE™ IE, TC, TD and NIM Series Common Accessories

Code	Description	List Price
I905BM	Pole mount for AC-10F.	<b>488,27 €</b>
I2007B	Flush mounting box CAJ-24206 for LE-DA, IE-JA, NI-JA, NIR-HPF, NIR-42 and NIR-4BZ.	<b>4,86 €</b>
I2007A	Flush mounting box CAJ-24203 for NIR-1, NIR-MB, NIR-7BS, NIR-6, NIR-HP, NIR-4, NIR-2, NIR-7W and NIR-7HW.	<b>1,19 €</b>
I2006SD	Metal surface box CAJ-NIR for NIR-7BS and NIR-MB.	<b>20,95 €</b>
I2006SE	Metal surface box CAJ-SE for NIR-1, NIR-6, NIR-HP, NIR-4, NIR-2, NIR-7W and NIR-7HW.	<b>20,95 €</b>
I2004	Metal surface box CAJ-I for LE-DA, IE-JA, NIR-42 and NIR-4BZ.	<b>37,83 €</b>
I588C	Metal surface box CISS2G with rain hood for NIR-HPF, NIR-4BZ, NIR-42 and NI-JA.	<b>237,75 €</b>
I206AVE	Stainless steel box for BI-E1 for IF-DA. Flush mount.	<b>136,62 €</b>

### AIPHONE™ JM, JO and JK Series Common Accessories

Code	Description	List Price
I165	RY-3DL adapter for three door strikes opening control.	<b>90,57 €</b>
I138AVD	Surface mount box with 30° angle for MK-DV, JB-DV and JF-DV cameras.	<b>91,33 €</b>
I145T	VM-K rain hood for JK-DV / JF-DV.	<b>47,59 €</b>
I145X	VM-KF rain hood for JK-DVF / JF-DVF.	<b>45,56 €</b>
I187CAJ	CAJ-DVF surface mount box for JK-DVF and JF-DVF.	<b>89,10 €</b>
I370PA	160 cm base stand to be integrated with PA1601 door station cameras.	<b>719,12 €</b>
I370PJK	PJK pnael for JK-DVF and JF-DVF mounting over PA1601 base.	<b>127,10 €</b>
I206AVE	Caja antivandálica de acero inoxidable BI-E1 para IF-DA. Montaje de empotrar.	<b>12,30 €</b>





# 6.0 | RACKS

Racks and Cabinets for Systems and Communications




# 6.1 | FLOOR-STANDING RACKS

## 19" I-Body Metal Rack up to 47U

### 18U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC1866</b>	18U A600 F600 Floor-standing Rack	60 Kgs	96 cms	18U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>522,18 €</b>
	<b>RAC1868</b>	18U A600 F800 Floor-standing Rack	65 Kgs	96 cms	18U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>701,80 €</b>
	<b>RAC18610</b>	18U A600 F1000 Floor-standing Rack	80 Kgs	96 cms	18U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>864,61 €</b>
	<b>RAC18612</b>	18U A600 F1200 Floor-standing Rack	90 Kgs	96 cms	18U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.154,31 €</b>





### 27U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC2766</b>	27U A600 F600 Floor-standing Rack	70 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>623,58 €</b>
	<b>RAC2768</b>	27U A600 F800 Floor-standing Rack	75 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>701,80 €</b>
	<b>RAC27610</b>	27U A600 F1000 Floor-standing Rack	85 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>864,61 €</b>




# 6.1 | FLOOR-STANDING RACKS

## 19" I-Body Metal Rack up to 47U

### 27U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC27612</b>	27U A600 F1200 Floor-standing Rack	100 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.154,31 €</b>
	<b>RAC2788</b>	27U A800 F800 Floor-standing Rack	90 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.015,11 €</b>
	<b>RAC24810</b>	27U A800 F1000 Floor-standing Rack	95 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.105,93 €</b>
	<b>RAC27812</b>	27U A800 F1200 Floor-standing Rack	110 Kgs	140 cms	27U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.365,50 €</b>






### 42U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC4266</b>	42U A600 F600 Floor-standing Rack	100 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>765,33 €</b>
	<b>RAC4268</b>	42U A600 F800 Floor-standing Rack	110 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>914,00 €</b>
	<b>RAC42610</b>	42U A600 F1000 Floor-standing Rack	120 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.029,88 €</b>


# 6.1 | FLOOR-STANDING RACKS

## 19" I-Body Metal Rack up to 47U

### 42U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC42612</b>	42U A600 F1200 Floor-standing Rack	140 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.373,90 €</b>
	<b>RAC4286</b>	42U A800 F600 Floor-standing Rack	105 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.033,50 €</b>
	<b>RAC4288</b>	42U A800 F800 Floor-standing Rack	115 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.072,61 €</b>
	<b>RAC42810</b>	42U A800 F1000 Floor-standing Rack	125 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.266,13 €</b>
	<b>RAC42812</b>	42U A800 F1200 Floor-standing Rack	150 Kgs	200 cms	42U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.676,93 €</b>




### 44U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC44105</b>	HOUSING 44U A800 F1050 Floor-standing Rack	135 Kgs	210 cms	44U	9004 BLACK - Glass ornamental strips in RED	HOUSING 44U A800 F1050 Floor-standing Rack (22u+11u+11u)	<b>2.732,00 €</b>

# 6.1 | FLOOR-STANDING RACKS

## 19" I-Body Metal Rack up to 47U

### 47U Racks

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>RAC4788</b>	47U A800 F800 Floor-standing Rack	120 Kgs	230 cms	47U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.291,22 €</b>
	<b>RAC47810</b>	47U A800 F1000 Floor-standing Rack	130 Kgs	230 cms	47U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.512,23 €</b>
	<b>RAC47812</b>	47U A800 F1200 Floor-standing Rack	145 Kgs	230 cms	47U	9004 BLACK - Glass ornamental strips in RED	Front door with safety glass and folding lockable. Back door with hexagonal holes 75% air passage. Capacity: 800 Kg. Four movable 19" uprights (two front and two rear). Leveling feet included. Set of wheels with or without brakes, optional. RAL Color - 9004 BLACK - RED ornamental glass strips.	<b>1.868,57 €</b>

### Accessories for Floor-standing Racks

P/N	Description	List Price
REG6I	PDU 19" 6 Schukos.	<b>17,38 €</b>
REG6M	PDU 19" 6 Schukos + Magneto.	<b>26,65 €</b>
REG8I	PDU 19" 8 Schukos + Switch.	<b>25,20 €</b>
REG9	PDU 19" 9 Schukos.	<b>25,20 €</b>
RUE4	Set of four wheels - Rack.	<b>35,05 €</b>
PAN1	19" Blind panel 1U	<b>5,07 €</b>
PAN2	19" Blind panel 2U.	<b>5,79 €</b>
PHCEP	Cable grommet Brush 1U.	<b>17,38 €</b>
PHCT1	Cable grommet with lid 1U.	<b>17,38 €</b>
PHL	Cable grommet Liras 1U.	<b>9,42 €</b>
TTA	Screw + Nut + Washer.	<b>0,29 €</b>
VEN2600	Unit 2 Rack Fan 600.	<b>81,12 €</b>
VEN41000	Unit 4 Rack Fan 1000.	<b>153,54 €</b>

# 6.1 | FLOOR-STANDING RACKS

## 19" I-Body Metal Rack up to 47U





### Accessories for Floor-standing Racks

P/N	Description	List Price
VEN4800	Unit 4 Rack Fan 800.	139,06 €
BAN4P1000	Tray 1U. 19" 4P F1000 mm.	57,94 €
BAN4P1200	Tray 1U. 19" 4P F1200 mm.	112,98 €
BAN4P600	Tray 1U. 19" 4P F600 mm.	40,56 €
BAN4P800	Tray 1U. 19" 4P F800 mm.	49,25 €
BANT100	Tray 1U. 19" TELESC 4P F1000 mm.	104,29 €
BANT1200	Tray 1U. 19" TELESC 4P F1200 mm.	115,88 €
BANT600	Tray 1U. 19" TELESC 4P F600 mm.	72,43 €
BANT800	Tray 1U. 19" TELESC 4P F800 mm.	86,91 €
BAN2U300	Tray 2U. 19" F300 mm.	28,97 €
BAN2U400	Tray 2U. 19" F400 mm.	33,32 €




# 6.2 | MURAL RACKS

## I-Body and 2-Bodies Metal Rack up to 15U

### Mural Racks F450

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>MUR 6450</b>	6U 1 Body F450 Mural Rack	15 Kgs	40 cms	6U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>144,85 €</b>
	<b>MUR 9450</b>	9U 1 Body F450 Mural Rack	20 Kgs	53 cms	9U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>159,34 €</b>
	<b>MUR 12450</b>	12U 1 Body F450 Mural Rack	25 Kgs	67 cms	12U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>173,82 €</b>
	<b>MUR 15450</b>	15U 1 Body F450 Mural Rack	30 Kgs	80 cms	15U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>188,31 €</b>

### Mural Racks F550

	P/N	Model	Weight	Height	Height	RAL	Description	List Price
	<b>MUR 9550</b>	9U 2 Bodies F550 Mural Rack	30 Kgs	53 cms	9U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>246,25 €</b>
	<b>MUR 12550</b>	12U 2 Bodies F550 Mural Rack	35 Kgs	67 cms	12U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>260,73 €</b>
	<b>MUR 15550</b>	15U 2 Bodies F550 Mural Rack 1	40 Kgs	80 cms	15U	9004 BLACK	Front door with safety glass and simple lockable. Double body with welded structure. Upper and lower cable entry. Removable side with quick lock y possibility of assemble with lockable. Load capacity: 60 Kg. Four uprights 19" movable (two front and two rear). Cable entry on floor and ceiling with lids. Pre-punched on back for rear cable entry. Pre-punched to install ceiling fans (not included). Couple of angles for support equipment. RAL Color – 9004 Black.	<b>318,67 €</b>

# 6.2 | MURAL RACKS

## I-Body and 2-Bodies Metal Rack up to 15U

### Accessories for Mural Racks

P/N	Description	List Price
REG6I	PDU 19" 6 Schukos.	17,38 €
REG6M	PDU 19" 6 Schukos + Magneto.	26,65 €
REG8I	PDU 19" 8 Schukos + Switch.	25,20 €
REG9	PDU 19" 9 Schukos.	25,20 €
RUE4	Set of four wheels - Rack.	35,05 €
PAN1	19" Blind panel 1U	5,07 €
PAN2	19" Blind panel 2U	5,79 €
PHCEP	Cable grommet Brush 1U.	17,38 €
PHCT1	Cable grommet with lid 1U.	17,38 €
PHL	Cable grommet Liras 1U.	9,42 €
TTA	Screw + Nut + Washer.	0,29 €
VEN2600	Unit 2 Rack Fan 600.	81,12 €
VEN41000	Unit 4 Rack Fan 1000.	153,54 €
VEN4800	Unidad 4 Ventiladores Rack 800.	139,06 €
BAN4P1000	Tray 1U. 19" 4P F1000 mm.	57,94 €
BAN4P1200	Tray 1U. 19" 4P F1200 mm.	112,98 €
BAN4P600	Tray 1U. 19" 4P F600 mm.	40,56 €
BAN4P800	Unit 4 Rack Fan 800.	49,25 €
BANT100	Tray 1U. 19" TELESC 4P F1000 mm.	104,29 €
BANT1200	Tray 1U. 19" TELESC 4P F1200 mm.	115,88 €
BANT600	Tray 1U. 19" TELESC 4P F600 mm.	72,43 €
BANT800	Tray 1U. 19" TELESC 4P F800 mm.	86,91 €
BAN2U300	Tray 2U. 19" F300 mm.	28,97 €
BAN2U400	Tray 2U. 19" F400 mm.	33,32 €

# 6.3 | UTP CONNECTION

## Wiring and Patch Paneling for Communications





### UTP Cat6A Connection

	P/N	Model	Type	Color	Interface	Length	Description	List Price
	<b>CAB6AUL</b>	Cat6A UTP Cable LSZH	UTP Cat6A	SEVERAL	Pointed	305 meters	Copper cable formed by 4 twisted pair unshielded. For transmitting voice and data local area networks (LAN), mainly for horizontal cabling. Supports frequencies up to 500 MHz and speeds up to 10 Gbps.	<b>0,72 €</b>
	<b>CON6AU</b>	Cat6A UTP RJ45 Module	UTP Cat6A	SEVERAL	RJ45	N/A	Keystone universal connector with LCL technology (Low Coupling Losses) design HDF (High Density Factor). According to the regulations Cat. 6A RJ45 connector for insulation displacement IDC. Designed to install patch panels, rosettes or superficie. Exceeds the specifications Cat. 6A.	<b>3,36 €</b>
	<b>PAN6AU24</b>	Cat6A 24P UTP RJ45 Panel	UTP Cat6A	BLACK	N/A	1U	Distribution panel with 24 ports for HDF connectors, universal Keystone with LCL technology. Designed in format 19" tall and 1 U rackmount.	<b>47,74 €</b>
	<b>LA-T6AUL05</b>	Cat6 UTP Patchcord 0.5m	UTP Cat6A	SEVERAL	RJ45	0,5 meters	4 pairs of patch cord. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>1,71 €</b>
	<b>LAT6AUL1</b>	Cat6 UTP Patchcord 1m	UTP Cat6A	SEVERAL	RJ45	1 meters	4 pairs of patch cord. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>2,38 €</b>
	<b>LAT6AUL3</b>	Cat6 UTP Patchcord 3m	UTP Cat6A	SEVERAL	RJ45	3 meters	4 pairs of patch cord. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>4,58 €</b>
	<b>LAT6AUL5</b>	Cat6 UTP Patchcord 5m	UTP Cat6A	SEVERAL	RJ45	5 meters	4 pairs of patch cord. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>6,37 €</b>
	<b>CAB6AFL</b>	Cat6A FTP Cable LSZH	FTP Cat6A	SEVERAL	Pointed	305 meters	Copper cable formed by 4 twisted pairs shielded. Destined for the transmission of voice and data local area networks (LAN), mainly for horizontal cabling. Supports frequencies up to 500 MHz and speeds up to 10 Gbps.	<b>0,87 €</b>


# 6.3 | UTP CONNECTION

## Wiring and Patch Paneling for Communications

### UTP Cat6A Connection

	P/N	Model	Type	Color	Interface	Length	Description	List Price
	<b>CON6AF</b>	Cat6A FTP RJ45 Module	FTP Cat6A	SEVERAL	RJ45	N/A	Modular Connector RJ49 Cat. 6A female shielded FTP full metal. According to the regulations Cat. 6A for the connector RJ49 with IDC insulation displacement. Designed to install patch panels, rosettes or surface boxes. Exceeds specifications Cat. 6A y 10G. Connection without tools.	<b>6,23 €</b>
	<b>PAN6AF24</b>	CAT6A FTP 24P RJ45 Panel	FTP Cat6A	BLACK	N/A	1U	Panel for distribution with 24 ports for HDF connector, universal Keystone with LCL technology. Designed on 19" format and 1 U height for rack instalation. Includes 24 TOLLLESS connectors.	<b>48,81 €</b>
	<b>LAT6A-FL05</b>	Cat6A FTP Patchcord 0,5m	FTP Cat6A	SEVERAL	RJ45	0,5 meters	4 pairs of patch cord with double shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>1,36 €</b>
	<b>LAT6AFL1</b>	Cat6A FTP Patchcord 1m	FTP Cat6A	SEVERAL	RJ45	1 meters	4 pairs of patch cord with double shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>1,91 €</b>
	<b>LAT6AFL3</b>	Cat6A FTP Patchcord 3m	FTP Cat6A	SEVERAL	RJ45	3 meters	4 pairs of patch cord with double shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>4,20 €</b>
	<b>LAT6AFL5</b>	Cat6A FTP Patchcord 5m	FTP Cat6A	SEVERAL	RJ45	5 meters	4 pairs of patch cord with double shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 500 MHz and speeds up to 10 Gbps. Special connectors without earth continuity.	<b>6,26 €</b>




### UTP Cat6 Connection

	P/N	Model	Type	Color	Interface	Length	Description	List Price
	<b>CAB6UP</b>	Cat6 UTP Cable Box 305m	UTP Cat6	SEVERAL	Pointed	305 meters	Copper cable formed by 4 twisted pair unshielded. For transmitting voice and data local area networks (LAN), mainly for horizontal cabling. Supports frequencies up to 250 MHz and speeds up to 1000 Mbps.	<b>123,85 €</b>

# 6.3 | UTP CONNECTION

## Wiring and Patch Paneling for Communications




### UTP Cat6 Connection

	P/N	Model	Type	Color	Interface	Length	Description	List Price
	<b>CAB6UL</b>	Cat6 UTP Cable Box 305m LSZH	UTP Cat6	SEVERAL	Pointed	305 meters	Copper cable formed by 4 twisted pair unshielded. LSZH. For transmitting voice and data local area networks (LAN), mainly for horizontal cabling. Supports frequencies up to 250 MHz and speeds up to 1000 Mbps.	<b>151,08 €</b>
	<b>CON6U</b>	Cat6 UTP RJ45 Module	UTP Cat6	SEVERAL	RJ45	N/A	Modular Connector RJ49 Cat. 6A female without shield. According to the regulations Cat. 6A for the connector RJ49 with IDC insulation displacement. Designed to install patch panels, rosettes or surface boxes.	<b>2,32 €</b>
	<b>CON6UTL</b>	Cat6 UTP RJ45 Module Toll Less	UTP Cat6	SEVERAL	RJ45	N/A	Modular Connector RJ49 Cat. 6A female without TollLess shield. According to the regulations Cat. 6A for the connector RJ49 with IDC insulation displacement. Designed to install patch panels, rosettes or surface boxes.	<b>3,62 €</b>
	<b>PAN6U24</b>	CAT6 UTP 24P RJ45 Panel	UTP Cat6	BLACK	N/A	1 U	Distribution panel high density, Cat. 6 UTP with 24 RJ45 ports. Designed for installation in 19" rack cabinets.	<b>43,46 €</b>
	<b>LAT6UL02</b>	Cat6 UTP Patch cord 0,25m	UTP Cat6	SEVERAL	RJ45	0,25 meters	4 pairs of patch cord unshielded (UTP). Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>1,19 €</b>
	<b>LAT6UL05</b>	Cat6 UTP Patch cord 0,5m	UTP Cat6	SEVERAL	RJ45	0,5 meters	4 pairs of patch cord unshielded (UTP). Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>1,19 €</b>
	<b>LAT6UL1</b>	Cat6 UTP Patch cord 1m	UTP Cat6	SEVERAL	RJ45	1 meters	4 pairs of patch cord unshielded (UTP). Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>1,56 €</b>
	<b>LAT6UL3</b>	Cat6 UTP Patch cord 3m	UTP Cat6	SEVERAL	RJ45	3 meters	4 pairs of patch cord unshielded (UTP). Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>2,43 €</b>

# 6.3 | UTP CONNECTION

## Wiring and Patch Paneling for Communications






### UTP Cat6 Connection

	P/N	Model	Type	Color	Interface	Length	Description	List Price
	<b>LAT6UL5</b>	Cat6 UTP Patch cord 5m	UTP Cat6	SEVERAL	RJ45	5 meters	4 pairs of patch cord unshielded (UTP). Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>3,59 €</b>
	<b>ADA6UHH</b>	Cat6 UTP H-H RJ45 Adapter	UTP Cat6	SEVERAL	RJ45	N/A	RJ45 Modular couple Cat 6 female / female unshielded. According to the regulations Cat. 6A for the connector. Designed to install patch panels, rosettes or surface boxes.	<b>2,61 €</b>
	<b>EMP6</b>	CAT6 Connector	UTP Cat6	SEVERAL	RJ45	N/A	RJ45 Modular connector Cat 6 female / female unshielded. According to the regulations Cat. 6A for the connector RJ49 with IDC insulation displacement.	<b>3,82 €</b>
	<b>CAB6FP</b>	Cat6 FTP Cable Box 305m	FTP Cat6	SEVERAL	Pointed	305 meters	Copper cable formed by 4 twisted pair shielded. LSZH For transmitting voice and data local area networks (LAN), mainly for horizontal cabling. Supports frequencies up to 250 MHz and speeds up to 1000 Mbps.	<b>173,70 €</b>
	<b>CON6F</b>	Cat6 FTP RJ45 Module	FTP Cat6	SEVERAL	RJ45	N/A	Copper cable formed by 4 female shielded. According to the regulations Cat. 6A for the connector RJ49 with IDC insulation displacement. Designed to install patch panels, rosettes or surface boxes.	<b>3,48 €</b>
	<b>CON6FTL</b>	Cat6 FTP RJ45 Module Toll Less	FTP Cat6	SEVERAL	RJ45	N/A	Copper cable formed by 4 female shielded TollLess. According to the regulations Cat. 6A for the connector RJ49 with IDC insulation displacement. Designed to install patch panels, rosettes or surface boxes.	<b>5,65 €</b>
	<b>PAN6F24</b>	CAT6 FTP 24P RJ45 Panel	FTP Cat6	BLACK	N/A	1 U	Distribution panel high density, Cat. 6 UTP with 24 RJ45 ports shielded. Designed for installation in 19" rack cabinets. Allow patching between the electronic network and the horizontal wiring up jobs.	<b>48,15 €</b>
	<b>LAT6FL02</b>	Cat6 FTP Patch cord 0,25m	FTP Cat6	SEVERAL	RJ45	0,25 meters	4 pairs of patch cord shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>1,65 €</b>

# 6.3 | UTP CONNECTION

## Wiring and Patch Paneling for Communications

### UTP Cat6 Connection

	P/N	Model	Type	Color	Interface	Length	Description	List Price
	<b>LAT6FL05</b>	Cat6 FTP Patch cord 0,5m	FTP Cat6	SEVERAL	RJ45	0,5 meters	4 pairs of patch cord shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>1,83 €</b>
	<b>LAT6FL1</b>	Cat6 FTP Patch cord 1m	FTP Cat6	SEVERAL	RJ45	1 meters	4 pairs of patch cord shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>2,43 €</b>
	<b>LAT6FL3</b>	Cat6 FTP Patch cord 3m	FTP Cat6	SEVERAL	RJ45	3 meters	4 pairs of patch cord shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>3,48 €</b>
	<b>LAT6FL5</b>	Cat6 FTP Patch cord 5m	FTP Cat6	SEVERAL	RJ45	5 meters	4 pairs of patch cord shielded. Mainly developed for connection between jobs, or for distribution to dealers. Supports frequencies up to 350 MHz and speeds up to 1000 Mbps.	<b>4,55 €</b>
	<b>ADA6A-FHH</b>	Cat6A FTP H-H RJ45 Adapter	FTP Cat6A	SEVERAL	RJ45	N/A	RJ45 Modular couple Cat 6 female / female shielded. According to the regulations Cat. 6A for the connector RJ49. Designed to install patch panels, rosettes or surface boxes.	<b>3,19 €</b>

# 6.4 | FIBER OPTIC CONNECTION

## Fiber Optics and Communications Adapters

Adapters and supports (Treat as if they were Accessories)

P/N	Description	List Price
BANFO24ST	24ST removable fiber optice panel.	57,94 €
BANFO24SCS	24SC Simplex removable fiber optice panel.	57,94 €
BANFO24LCD	24LC Duplex removable fiber optice panel.	57,94 €
ADASCDMM	SC/PC Duplex MM Adapter.	1,74 €
ADASCDSM	SC/PC Duplex SM Adapter.	2,46 €
ADASCMM	SC/PC Simplex MM Adapter.	0,90 €
ADASCSSM	SC/PC Simplex SM Adapter.	0,90 €
ADALCDSM	LC/PC Duplex SM Adapter.	4,55 €
ADALCDMM	LC/PC Duplex MM Adapter	4,20 €
ADAAPCSSM	SC/APC Simplex SM Adapter.	0,90 €
MACTER40	Heat shrink tubing 40mm.	0,35 €

Patch cords and Pigtails (Treat as if they were Accessories)

P/N	Description	List Price
JUMSCSC6222	SC/SC-62.5/125-MM-OD2.8mm. LSZH-2 Mts.	14,63 €
JUMSCSC6223	SC/SC-62.5/125-MM-OD2.8mm. LSZH-3 Mts.	15,50 €
JUMSCSC6225	SC/SC-62.5/125-MM-OD2.8mm. LSZH-5 Mts.	17,18 €
JUMLCSC6222	LC/SC-62.5/125-MM-OD2.8mm. LSZH-2 Mts.	16,17 €
JUMLCSC6223	LC/SC-62.5/125-MM-OD2.8mm. LSZH-3 Mts.	17,01 €
JUMLCSC6225	LC/SC-62.5/125-MM-OD2.8mm. LSZH-5 Mts.	18,69 €
JUMLCLC6222	LC/LC-62.5/125-MM-OD2.8mm. LSZH-2 Mts.	17,64 €
JUMLCLC6223	LC/LC-62.5/125-MM-OD2.8mm. LSZH-3 Mts.	18,37 €
JUMLCLC6225	LC/LC-62.5/125-MM-OD2.8mm. LSZH-5 Mts.	20,19 €
JUMSCSC5022	SC/SC-50/125-MM-OD2.8mm. LSZH-2 Mts.	14,63 €
JUMSCSC5023	SC/SC-50/125-MM-OD2.8mm. LSZH-3 Mts.	15,50 €

# 6.4 | FIBER OPTIC CONNECTION

## Fiber Optics and Communications Adapters

Patch cords and Pigtails (Treat as if they were Accessories)

P/N	Description	List Price
JUMSCSC5025	SC/SC-50/125-MM-OD2.8mm. LSZH-5 Mts.	17,18 €
JUMLCSC5022	LC/SC-50/125-MM-OD2.8mm. LSZH-2 Mts.	16,17 €
JUMLCSC5023	LC/SC-50/125-MM-OD2.8mm. LSZH-3 Mts.	17,01 €
JUMLCSC5025	LC/SC-50/125-MM-OD2.8mm. LSZH-5 Mts.	18,69 €
JUMLCLC5022	LC/LC-50/125-MM-OD2.8mm. LSZH-2 Mts.	17,64 €
JUMLCLC5023	LC/LC-50/125-MM-OD2.8mm. LSZH-3 Mts.	18,37 €
JUMLCLC5025	LC/LC-50/125-MM-OD2.8mm. LSZH-5 Mts.	20,19 €
SIMSCSC91	SC APC/SC APC 9/125- Cable 1 Mts. Simplex.	6,78 €
SIMSCSC92	SC APC/SC APC 9/125- Cable 2 Mts. Simplex.	6,98 €
SIMSCSC93	SC APC/SC APC 9/125- Cable 3 Mts. Simplex.	7,21 €
SIMSCSC95	SC APC/SC APC 9/125- Cable 5 Mts. Simplex.	7,68 €
SIMSCSC910	SC APC/SC APC 9/125- Cable 10 Mts. Simplex.	8,81 €
SIMSCSC915	SC APC/SC APC 9/125- Cable 15 Mts. Simplex.	9,97 €
PIGSCSC92	SC APC 0,9mm- Pigtail 2 Mts.	3,42 €









Pre-Terminated (Treat as if they were Accessories)

P/N	Description	List Price
PRE24OSLCLC60	24FO OS LC / LC 60m Pre-Terminated.	837,23 €
PRE24OM3LCLC60	24FO OM3 LC / LC 60m Pre-Terminated.	964,70 €
PRE12OM3LCLC270	12FO OM3 LC / LC 270m Pre-Terminated.	863,31 €

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection



### KVM wiring

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS62S-AT</b>	ATEN™ CS62S-AT Connector/ Switch	2 PORTS	PS/2	VGA (DB15)	NO	Switch KVM to control 2 servers PS/2 + VGA.	<b>23,20 €</b>
	<b>CS52A-AT</b>	ATEN™ CS52A-AT Connector/ Switch	2 PORTS	PS/2 + USB	VGA (DB15)	Jack 3.5 mm	Switch KVM to control 2 servers PS/2 + USB + VGA + Audio.	<b>53,30 €</b>
	<b>CS62AZ-AA</b>	ATEN™ CS62AZ-AA Connector/ Switch	2 PORTS	PS/2	VGA (DB15)	Jack 3.5 mm	Switch KVM to control 2 servers PS/2 + VGA + Audio.	<b>34,00 €</b>
	<b>CS64AZ-AA</b>	ATEN™ CS64AZ-AA Connector/ Switch	4 PORTS	PS/2	VGA (DB15)	Jack 3.5 mm	Switch KVM to control 4 servers PS/2 + VGA + Audio.	<b>66,70 €</b>
	<b>CS62US-AT</b>	ATEN™ CS62US-AT Connector/ Switch	2 PORTS	USB	VGA (DB15)	Jack 3.5 mm	Switch KVM to control 2 servers USB + VGA + Audio.	<b>36,80 €</b>
	<b>CS64US-AT</b>	ATEN™ CS64US-AT Connector/ Switch	4 PORTS	USB	VGA (DB15)	Jack 3.5 mm	Switch KVM to control 4 servers USB + VGA + Audio.	<b>75,80 €</b>
	<b>CS682-AT</b>	ATEN™ CS682-AT Connector/ Switch	2 PORTS	USB	DVI	Jack 3.5 mm	Switch KVM to control 2 servers USB + DVI + Audio.	<b>91,40 €</b>
	<b>CS692-AT</b>	ATEN™ CS692-AT Connector/ Switch	2 PORTS	USB	HDMI	Jack 3.5 mm	Switch KVM to control 2 servers USB + HDMI + Audio.	<b>85,20 €</b>






# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection

### KVM wiring

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS22U-AT</b>	ATEN™ CS22U-AT Connector/Switch	2 PORTS	USB	VGA (DB15)	NO	Switch KVM to control 2 servers USB + VGA.	<b>22,00 €</b>
	<b>CS22D-AT</b>	ATEN™ CS22D-AT Connector/Switch	2 PORTS	USB	DVI	NO	Switch KVM to control 2 servers USB + DVI.	<b>68,50 €</b>









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-1701P</b>	ATEN™ Cable 2L-1701P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio: 1.8 meters. Console: DB-25.	<b>19,82 €</b>
	<b>2L-1703P</b>	ATEN™ Cable 2L-1703P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio: 3 meters. Console: DB-25.	<b>24,88 €</b>
	<b>2L-1705P</b>	ATEN™ Cable 2L-1705P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio: 5 meters. Console: DB-25.	<b>34,95 €</b>
	<b>2L-1710P</b>	ATEN™ Cable 2L-1710P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio: 10 meters. Console: DB-25.	<b>60,22 €</b>
	<b>2L-5202P</b>	ATEN™ Cable 2L-5202P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 1.8 meters. Console: DB-25.	<b>10,98 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-5203P</b>	ATEN™ Cable 2L-5203P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 3 meters. Console: DB-25.	<b>15,38 €</b>
	<b>2L-5206P</b>	ATEN™ Cable 2L-5206P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 5 meters. Console: DB-25.	<b>26,39 €</b>
	<b>2L-5210P</b>	ATEN™ Cable 2L-5210P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 10 meters. Console: DB-25.	<b>37,59 €</b>
	<b>2L-5302P</b>	ATEN™ Cable 2L-5302P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio (Mic included): 1.8 meters. Console: DB-25.	<b>15,35 €</b>
	<b>2L-5303P</b>	ATEN™ Cable 2L-5303P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio (Mic included): 3 meters. Console: DB-25.	<b>18,07 €</b>
	<b>2L-5305P</b>	ATEN™ Cable 2L-5305P	1 Port	PS/2	VGA (DB15)	Jack 3.5 mm	KVM HDB Cable, PS/2 and audio (Mic included): 5 meters. Console: DB-25.	<b>23,07 €</b>
	<b>2L-5002P/C</b>	ATEN™ Cable 2L-5002P/C	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 1.8 meters. Console: DB-25. Delgado.	<b>11,09 €</b>
	<b>2L-5003P/C</b>	ATEN™ Cable 2L-5003P/C	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 3 meters. Console: DB-25. Delgado.	<b>13,89 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	2L-5005P/C	ATEN™ Cable 2L-5005P/C	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 5 meters. Console: DB-25. Delgado.	20,01 €
	2L-1010P/C	ATEN™ Cable 2L-1010P/C	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 10 meters. Console: DB-25. Delgado.	52,68 €
	2L-1020P/C	ATEN™ Cable 2L-1020P/C	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Cable and PS/2: 20 meters. Console: DB-25. Delgado.	97,52 €
	2L-1005P	ATEN™ Cable 2L-1005P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Additional extension of cable and PS/2: 5 meters. Console: DB-25.	30,60 €
	2L-1010P	ATEN™ Cable 2L-1010P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Additional extension of cable and PS/2: 10 meters. Console: DB-25.	56,31 €
	2L-1020P	ATEN™ Cable 2L-1020P	1 Port	PS/2	VGA (DB15)	NO	KVM HDB Additional extension of cable and PS/2: 20 meters. Console: DB-25.	100,38 €
	2L-5302UP	ATEN™ Cable 2L-5302UP	1 Port	PS/2 + USB	VGA (DB15)	NO	KVM USB Cable and PS/2: 1,8 meters.	13,27 €
	2L-5303UP	ATEN™ Cable 2L-5303UP	1 Port	PS/2 + USB	VGA (DB15)	NO	KVM USB Cable and PS/2: 3 meters.	16,97 €

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-5202U</b>	ATEN™ Cable 2L-5202U	1 Port	PS/2 + USB	VGA (DB15)	NO	KVM USB Cable and PS/2: 5 meters.	<b>8,64 €</b>
	<b>2L-5203U</b>	ATEN™ Cable 2L-5203U	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM USB Cable and audio: 3 meters.	<b>12,27 €</b>
	<b>2L-5205U</b>	ATEN™ Cable 2L-5205U	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM USB Cable and audio: 5 meters.	<b>17,77 €</b>
	<b>2L-5302U</b>	ATEN™ Cable 2L-5302U	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM USB Cable and audio (Mic included): 1,8 meters	<b>13,85 €</b>
	<b>2L-5303U</b>	ATEN™ Cable 2L-5303U	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM USB Cable and audio (Mic included): 3 meters	<b>16,80 €</b>
	<b>2L-5305U</b>	ATEN™ Cable 2L-5305U	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM USB Cable and audio (Mic included): 5 meters	<b>23,07 €</b>
	<b>2L-5303UU</b>	ATEN™ Cable 2L-5303UU	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM Cable with double USB and audio (Mic included): 3 meters	<b>20,13 €</b>
	<b>2L-5305UU</b>	ATEN™ Cable 2L-5305UU	1 Port	USB	VGA (DB15)	Jack 3.5 mm	KVM Cable with double USB and audio (Mic included): 5 meters	<b>27,00 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-5502UP</b>	ATEN™ Cable 2L-5502UP	1 Port	PS/2 + USB	VGA (DB15)	NO	KVM USB Cable (with Male VGA) and PS/2 (with Female VGA): 1,8 meters.	<b>18,38 €</b>
	<b>2L-5503UP</b>	ATEN™ Cable 2L-5503UP	1 Port	PS/2 + USB	VGA (DB15)	NO	KVM USB Cable (with Male VGA) and PS/2 (with Female VGA): 3 meters.	<b>20,53 €</b>
	<b>2L-5506UP</b>	ATEN™ Cable 2L-5506UP	1 Port	PS/2 + USB	VGA (DB15)	NO	KVM USB Cable (with Male VGA) and PS/2 (with Female VGA): 6 meters.	<b>25,44 €</b>
	<b>2L-5202UP</b>	ATEN™ Cable 2L-5202UP	1 Port	USB	VGA (DB15)	NO	KVM USB Cable (with Male VGA) and Male VGA on the other side: 1,8 meters	<b>16,80 €</b>
	<b>2L-5203UP</b>	ATEN™ Cable 2L-5203UP	1 Port	USB	VGA (DB15)	NO	KVM USB Cable (with Male VGA) and Male VGA on the other side: 3 meters	<b>20,76 €</b>
	<b>2L-5206UP</b>	ATEN™ Cable 2L-5206UP	1 Port	USB	VGA (DB15)	NO	KVM USB Cable (with Male VGA) and Male VGA on the other side: 6 meters	<b>34,01 €</b>
	<b>CV-131BZ-AT</b>	ATEN™ Cable CV-131BZ-AT	1 Port	USB	VGA (DB15)	NO	USB Converter of ConsoleSun: 1,8 meters.	<b>82,96 €</b>
	<b>2L-7D02V</b>	ATEN™ Cable 2L-7D02V	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Single Link) & Audio, on both sides: 1,8 meters.	<b>16,29 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-7D02U</b>	ATEN™ Cable 2L-7D02U	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Single Link), USB & Audio (Mic included), on both sides: 1,8 meters.	<b>21,04 €</b>
	<b>2L-7D03U</b>	ATEN™ Cable 2L-7D03U	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Single Link), USB & Audio (Mic included), on both sides: 3 meters.	<b>38,48 €</b>
	<b>2L-7D05U</b>	ATEN™ Cable 2L-7D05U	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Single Link), USB & Audio (Mic included), on both sides: 5 meters.	<b>43,54 €</b>
	<b>2L-7D02UD</b>	ATEN™ Cable 2L-7D02UD	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Dual Link), USB & Audio (Mic included), on both sides: 1,8 meters.	<b>32,69 €</b>
	<b>2L-7D03UD</b>	ATEN™ Cable 2L-7D03UD	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Dual Link), USB & Audio (Mic included), on both sides: 3 meters.	<b>52,83 €</b>
	<b>2L-7D05UD</b>	ATEN™ Cable 2L-7D05UD	1 Port	USB	DVI-D	Jack 3.5 mm	DVI-D Cable (Dual Link), USB & Audio (Mic included), on both sides: 5 meters.	<b>81,75 €</b>
	<b>2L-7D02UI</b>	ATEN™ Cable 2L-7D02UI	1 Port	USB	DVI-I	Jack 3.5 mm	DVI-I Cable (Single Link), USB & Audio (Mic included), on both sides: 1,8 meters.	<b>33,42 €</b>
	<b>2L-7D03UI</b>	ATEN™ Cable 2L-7D03UI	1 Port	USB	DVI-I	Jack 3.5 mm	DVI-I Cable (Single Link), USB & Audio (Mic included), on both sides: 3 meters.	<b>55,75 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection









### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-7D02UH</b>	ATEN™ Cable 2L-7D02UH	1 Port	USB	HDMI	Jack 3.5 mm	HDMI Cable, USB & Audio (Mic included), on both sides: 1,8 meters.	<b>26,48 €</b>
	<b>2L-1701</b>	ATEN™ Cable 2L-1701	N/A	NO	NO	NO	Daisy Chain Cable: 1,8 meters.	<b>11,57 €</b>
	<b>2L-1703</b>	ATEN™ Cable 2L-1703	N/A	NO	NO	NO	Daisy Chain Cable: 3 meters.	<b>15,07 €</b>
	<b>2L-1705</b>	ATEN™ Cable 2L-1705	N/A	NO	NO	NO	Daisy Chain Cable: 5 meters.	<b>32,00 €</b>
	<b>2L-1715</b>	ATEN™ Cable 2L-1715	N/A	NO	NO	NO	Daisy Chain Cable: 15 meters.	<b>81,40 €</b>
	<b>2L-2700</b>	ATEN™ Cable 2L-2700	N/A	NO	NO	NO	Daisy Chain Cable, 2 buses: 0,6 meters.	<b>9,74 €</b>
	<b>2L-2701</b>	ATEN™ Cable 2L-2701	N/A	NO	NO	NO	Daisy Chain Cable, 2 buses: 1,8 meters.	<b>14,23 €</b>
	<b>2L-2703</b>	ATEN™ Cable 2L-2703	N/A	NO	NO	NO	Daisy Chain Cable, 2 buses: 3 meters.	<b>20,35 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection







### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-2705</b>	ATEN™ Cable 2L-2705	N/A	NO	NO	NO	Daisy Chain Cable, 2 buses: 5 meters.	<b>31,69 €</b>
	<b>2L-2715</b>	ATEN™ Cable 2L-2715	N/A	NO	NO	NO	Daisy Chain Cable, 2 buses: 15 meters.	<b>82,25 €</b>
	<b>2L-1704KM</b>	ATEN™ Cable 2L-1704KM	N/A	NO	NO	NO	Daisy Chain Cable: 4 meters.	<b>38,83 €</b>
	<b>2L-2402A</b>	ATEN™ Cable 2L-2402A	1 Port	NO	VGA (DB15)	Jack 3.5 mm	VGA/Audio Cable (Male) and VGA/Audio (Female): 1,8 meters.	<b>13,36 €</b>
	<b>2L-5203A</b>	ATEN™ Cable 2L-5203A	1 Port	NO	VGA (DB15)	Jack 3.5 mm	VGA/Audio Cable (Male) and VGA/Audio (Female): 3 meters.	<b>14,23 €</b>
	<b>2L-5205A</b>	ATEN™ Cable 2L-5205A	1 Port	NO	VGA (DB15)	Jack 3.5 mm	VGA/Audio Cable (Male) and VGA/Audio (Female): 5 meters.	<b>19,82 €</b>
	<b>2L-5202B</b>	ATEN™ Cable 2L-5202B	1 Port	NO	VGA (DB15)	Jack 3.5 mm	VGA & Audio with pushbutton (Console side) and VGA/Audio (Female) on PC side: 1,8 meters.	<b>348,39 €</b>
	<b>2L-5203B</b>	ATEN™ Cable 2L-5203B	1 Port	NO	VGA (DB15)	Jack 3.5 mm	VGA & Audio with pushbutton (Console side) and VGA/Audio (Female) on PC side: 3 meters.	<b>505,65 €</b>

# 6.5 | KVM WIRING

## KVM Wiring for Device Interconnection

### KVM Cable Assemblies

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>2L-5205B</b>	ATEN™ Cable 2L-5205B	1 Port	NO	VGA (DB15)	Jack 3.5 mm	VGA & Audio with pushbutton (Console side) and VGA/Audio (Female) on PC side: 5 meters.	<b>17,03 €</b>
	<b>2X-EA12</b>	Pack ATEN™ 2X-EA12	N/A	NO	NO	NO	HDMI Cable LockPro. 10 units.	<b>22,41 €</b>
	<b>2X-010G</b>	Kit ATEN™ 2X-010G	N/A	NO	NO	NO	Mounting Kit to install the LCD KVM Switch/Console on the rack.	<b>29,62 €</b>
	<b>2X-012G</b>	Kit ATEN™ 2X-012G	N/A	NO	NO	NO	Mounting Kit to install the LCD KVM Switch/Console on the rack. Easy Model.	<b>88,82 €</b>
	<b>2X-016G</b>	Kit ATEN™ 2X-016G	N/A	NO	NO	NO	Mounting kits to install the PDU on the rack. Slide Rail Kit. For PE Serie.	<b>79,64 €</b>
	<b>2X-017G</b>	Kit ATEN™ 2X-017G	N/A	NO	NO	NO	Mounting kits to install the PDU on the rack. Slide Rail Kit. For PE Serie. Easy Model.	<b>39,83 €</b>



# 7.0 | NETWORKING




Switches, Converters, Transceivers and KVM Devices



# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches

### L3 Switches for CORE OSPF v2/v3

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>XGS3-M24GX</b>	PLANET™ Manageable Switch Core XGS3-M24GX Layer 3	24	12	440 mm x 421 mm x 266 mm	10 Gbps	24-Port Gigabit (12-Port TP + 12-Port SFP) Plus 1-Port 10G Switch Module (for XGS3-42000R) with Layer3 SNMP MGMT. Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v2/v3 / DVMRP / PIM-DM / PIM-SM / VRRP / IP Stacking / Redundant PWR	<b>4.873,84 €</b>
	<b>XGS3-S24G</b>	PLANET™ Manageable Switch Core XGS3-S24G Layer 3	24	12	440 mm x 421 mm x 266 mm	10 Gbps	24-Port Gigabit (w/12-Port TP/SFP) Switch Module (for XGS3-42000R). Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v2/v3 / DVMRP / PIM-DM / PIM-SM / VRRP / IP Stacking / Redundant PWR	<b>4.425,84 €</b>
	<b>XGS3-S48G</b>	PLANET™ Manageable Switch Core XGS3-S48G Layer 3	48	Linked	440 mm x 421 mm x 266 mm	1 Gbps	48-Port Gigabit Switch Module (for XGS3-42000R). Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v2/v3 / DVMRP / PIM-DM / PIM-SM / VRRP / IP Stacking / Redundant PWR	<b>5.632,00 €</b>
	<b>XGS3-S4XG</b>	PLANET™ Module for Switch Core XGS3-S4XG Layer 3	Linked	4	440 mm x 421 mm x 266 mm	10 Gbps	4-Port 10G Switch Module for XGS3-42000R	<b>5.159,38 €</b>
	<b>XGS3-24042</b>	PLANET™ Manageable Switch Core XGS3-24042 Layer 3	24	4	440 mm x 350 mm x 44.5 mm, 1U	10 Gbps	24G TP with 4 Shared 100/1000X SFP, 4 Optional 10G Slots, Layer 3 IPv6 Managed Switch. Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v2/v3 / DVMRP / PIM-DM / PIM-SM / VRRP / IP Stacking / Redundant PWR	<b>2.087,38 €</b>
	<b>XGS3-24242</b>	PLANET™ Manageable Switch Core XGS3-24242 Layer 3	12	24	415 mm x 325 mm x 44.5 mm, 1U	1 Gbps	24-Port 100/1000X SFP with 12-Port Shared 10/100/1000T and 4 Optional 10G slots Layer 3 Managed Stackable Switch (AC+DC). Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v2/v3 / DVMRP / PIM-DM / PIM-SM / VRRP / IP Stacking / Redundant PWR	<b>2.904,62 €</b>





### Accessories for Switches L3 Manageables CORE

P/N	Description	List Price
XGS3-42000R	4-Slot Layer 3 IPv6/IPv4 Routing Chassis Switch	<b>3.588,92 €</b>
XGS3-PWR-AC	400watt AC power supply for XGS3-42000R	<b>1.373,54 €</b>
GS3-2SFP+	2-Port 10G SFP+ Optic Module for XGS3-24042, XGS3-24242	<b>531,70 €</b>




# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches

### L3 Manageable Switches for CORE OSPF v1/v2

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>SGS-6340-24T4S</b>	PLANET™ Manageable Switch Core SGS-6340-24T4S Layer 3	24	4	442 mm x 220 mm x 44 mm, 1U	1 Gbps	Layer 3 24-Port 10/100/1000T + 4-Port 1000X SFP Stackable Managed Gigabit Switch. Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v1/v2 / IP Stacking, 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+	<b>612,92 €</b>
	<b>SGS-6340-24P4S</b>	PLANET™ Manageable Switch Core SGS-6340-24P4S Layer 3	24	4	442 mm x 220 mm x 44 mm, 1U	10 Gbps	Layer 3 24-Port 10/100/1000T 802.3at POE + 4-Port 1000X SFP Stackable Managed Gigabit Switch (370W). Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v1/v2 / IP Stacking, 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+	<b>1.078,16 €</b>
	<b>SGS-6340-20S4C4X</b>	PLANET™ Manageable Switch Core SGS-6340-20S4C4X Layer 3	4	20	442 mm x 220 mm x 44 mm, 1U	1 Gbps	Layer 3 20-Port 100/1000X SFP + 4-Port Gigabit TP/SFP 1000X SFP + 4-Port 10G SFP+ Stackable Managed Gigabit Switch. Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v1/v2 / IP Stacking, 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+	<b>1.324,30 €</b>
	<b>SGS-6340-48T4S</b>	PLANET™ Manageable Switch Core SGS-6340-48T4S Layer 3	48	4	442 mm x 220 mm x 44 mm, 1U	1 Gbps	Layer 3 48-Port 10/100/1000T + 4-Port 1000X SFP Stackable Managed Gigabit Switch. Layer 3 IPv4/IPv6 Static Routing / RIP / OSPF v1/v2 / IP Stacking, 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+	<b>1.097,84 €</b>








### L2 Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>XGSW-28040</b>	PLANET™ Manageable Switch XGSW-28040 Layer 2 (L2+/L4)	24	4	440 mm x 200 mm x 44.5 mm, 1U	10 Gbps	L2+/L4 24-Port 10/100/1000Mbps with 4 Shared SFP + 4-Port 10G SFP+ Managed Switch, IPv6/IPv4 Management. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>974,76 €</b>
	<b>WGSD-10020</b>	PLANET™ Manageable Switch WGSD-10020 Layer 2 (L2+/L4)	8	2	330 mm x 155 mm x 43.5 mm, 1U	10 Gbps	IPv6, 8-Port Gigabit TP + 2-Port SFP Layer 2+/4 SNMP Managed Switch. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>241,24 €</b>
	<b>WGSW-24040</b>	PLANET™ Manageable Switch WGSD-10020HP Layer 2 (L2+/L4)	24	4	440 mm x 200 mm x 44.5 mm, 1U	10 Gbps	IPv6, 24-Port Gigabit with 4-Port SFP Layer 2+/4 SNMP Managed Switch. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>381,54 €</b>

# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches

### L2 Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>WGSW-24040R</b>	PLANET™ Manageable Switch WGSW-24040 Layer 2 (L2+/L4)	48	4	440 mm x 200 mm x 44.5mm, 1U	10 Gbps	IPv6, 24-Port Gigabit with 4-Port SFP Layer 2+/4 SNMP Managed Switch w/-48V Redundant PWR. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>462,76 €</b>
	<b>WGSW-52040</b>	PLANET™ Manageable Switch WGSW-24040R Layer 2 (L2+/L4)	48	4	442 mm x 280 mm x 44 mm, 1U	10 Gbps	48-Port 10/100/1000TP + 4-Port 100/1000X SFP Layer2+/L4 Advanced SNMP Manageable Gigabit Switch. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>1.031,38 €</b>
	<b>GS-5220-48T4X</b>	PLANET™ Manageable Switch WGSW-52040 Layer 2 (L2+/L4)	48	4	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	48-Port 10/100/1000TP + 4-Port 100/1000X SFP Layer2+/L4 Advanced SNMP Manageable Gigabit Switch. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>1.548,30 €</b>
	<b>GS-5220-44S4C</b>	PLANET™ Manageable Switch GS-5220-48T4X Layer 2 (L2+/L4)	48	4	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	L2+/L4 48-Port 10/100/1000Mbps with 4 Shared SFP + 4-Port 10G SFP+ Managed Switch, with Hardware Layer3 IPv4/IPv6 Static Routing. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>1.220,92 €</b>
	<b>GS-5220-46S2C4X</b>	PLANET™ Manageable Switch GS-5220-44S4C Layer 2 (L2+/L4)	48	4	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	L2+/L4 48-Port 100/1000X SFP with 4 Shared TP Managed Switch, with Hardware Layer3 IPv4/IPv6 Static Routing. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>1.718,16 €</b>
	<b>GS-5220-16S8C</b>	PLANET™ Manageable Switch GS-5220-46S2C4X Layer 2 (L2+/L4)	8	24	440 mm x 200 mm x 44.5 mm, 1U	10 Gbps	L2+/L4 48-Port 100/1000X SFP with 2 Shared TP + 4-Port 10G SFP+ Managed Switch, with Hardware Layer3 IPv4/IPv6 Static Routing. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>758,16 €</b>
	<b>GS-5220-16S8CR</b>	PLANET™ Manageable Switch GS-5220-16S8C Layer 2 (L2+/L4)	8	24	440 mm x 200 mm x 44.5 mm, 1U	10 Gbps	L2+/L4 24-Port 100/1000X SFP with 8 Shared TP Managed Switches, with Hardware Layer3 IPv4/IPv6 Static Routing. Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switch. IPv4/IPv6 L3 Static Routing / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / EEE / Cable Diagnostic / SFP DDM	<b>809,84 €</b>




# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches



### Accessories for Switches L2 Manageables

P/N	Description	List Price
CB-DASFP-0.5M	10G SFP+ Direct Attach Copper Cable - 0.5 Meters	56,62 €
CB-DASFP-2M	10G SFP+ Direct Attach Copper Cable - 2 Meters	73,84 €

### Metro Layer 2+/4 10/100/1000Mbps & 10G Intelligent Manageable Switches

P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
 <b>MGSD-10080F</b>	PLANET™ Manageable Switch MGSD-10080F Layer 2 (L2/L4)	2	8	330 mm x 155 mm x 43.5 mm, 1U	1 Gbps	13" 8-Port 100/1000Base-X SFP + 2-Port 10/100/1000Base-T L2/L4 Managed Metro Ethernet Switch (AC+2 DC, DIDO). IPv4/IPv6 L3 Static Routing / ERPS Ring / AC/DC Daul PWR / DI/DO / Front Access / SFP DDM. 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	462,76 €
 <b>MGSW-24160F</b>	PLANET™ Manageable Switch MGSW-24160F Layer (L2/L4)	8	16	440 mm x 200 mm x 44.5 mm, 1U	1 Gbps	16-Port 100/1000Base-X SFP + 8-Port 10/100/1000Base-T L2/L4 Managed Metro Ethernet Switch (AC+2 DC, DIDO). IPv4/IPv6 L3 Static Routing / ERPS Ring / AC/DC Daul PWR / DI/DO / Front Access / SFP DDM. 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	753,24 €
 <b>MGSW-28240F</b>	PLANET™ Manageable Switch MGSW-28240F Layer (L2/L4)	4	24+4	440 mm x 200 mm x 44.5 mm, 1U	10 Gbps	24-Port 100/1000Base-X SFP plus 4-Port 10G SFP+, L2/L4 Managed Metro Ethernet Switch (AC+DC Power Redundant, 2xDI, 2xDO). IPv4/IPv6 L3 Static Routing / ERPS Ring / AC/DC Daul PWR / DI/DO / Front Access / SFP DDM. 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / MLD Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	1.250,46 €





### L2+ Managed Stackable Switches

P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
 <b>SGS-5220-24T2X</b>	PLANET™ Manageable Switch SGS-5220-24T2X Layer 2 (L2) Stackable	24+4	2	440 mm x 200 mm x 44,5 mm, 1U	10 Gbps	IPv4/IPv6, L2+, 24-Port 10/100/1000Mbps TP with 4 Shared SFP Port + 2-Port 10G SFP+ Managed Stackable Switch, trunking stck up to 16 units. Hardware Stacking / IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / POE	1.097,84 €
 <b>SGS-5220-24P2X</b>	PLANET™ Manageable Switch SGS-5220-24P2X Layer (L2) Stackable	24+4	2	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	IPv6 L2+/L4 24-Port 10/100/1000BaseT 802.3at PoE+ plus 2-Port 10G SFP+ Gigabit Ethernet stackable Switch, trunking stack up to 16 units. Hardware Stacking / IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / POE	1.348,92 €

# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches


### L2+ Managed Stackable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>SGS-5220-24S2XR</b>	PLANET™ Manageable Switch SGS-5220-24S2XR Layer (L2) Stackable	24	2	440 mm x 200 mm x 44,5 mm, 1U	10 Gbps	IPv6 L2+/L4 24-Port 100/1000X SFP with 8 Shared TP + 2-Port 10G SFP+ Managed stackable Switch, W/ 48V Redundant Power, trunking stack up to 16 units. Hardware Stacking / IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / POE	<b>1.398,16 €</b>
	<b>SGSW-24040P4</b>	PLANET™ Manageable Switch SGSW-24040P4 Layer (L2) Stackable	24	4	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	IPv6 Managed 24-Port 802.3af PoE Gigabit Ethernet Switch + 4-Port SFP (400W), stackable. Hardware Stacking / IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / POE	<b>1.021,54 €</b>
	<b>SGSW-24040HP</b>	PLANET™ Manageable Switch SGSW-24040HP Layer (L2) Stackable	24	4	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	IPv6 Managed 24-Port 802.3at High Power PoE Gigabit Ethernet Switch + 4-Port SFP (400W). Hardware Stacking / IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / POE	<b>1.048,62 €</b>
	<b>SGSW-24240R</b>	PLANET™ Manageable Switch SGSW-24240R Layer (L2) Stackable	8	24	440 mm x 200 mm x 44,5 mm, 1U	10 Gbps	IPv4/IPv6, 24-Port MiniGBIC/SFP Gigabit Layer2/L4 Advance SNMP Manageable Switch + 8-Port 10/100/1000Base-T, trunking stack up to 16 Units, w/-48V Redundant Power. Hardware Stacking / IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3 / POE	<b>856,62 €</b>

### Accessories for Switches L2 Manageables Stackable

P/N	Description	List Price
CB-STX50	0.5 Meter 5Gbps Stacking Cable with Crossed HDMI for SGSW-24040R, SGSW-24240	<b>19,70 €</b>
CB-STX200	2 Meter 5Gbps Stacking Cable with Crossed HDMI for SGSW-24040R, SGSW-24240	<b>24,62 €</b>

### Layer 2/4 10/100/1000Mbps Web/SNMP Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>WGSW-28040</b>	PLANET™ Manageable Switch WGSW-28040 Layer 2	24	4	440 mm x 200 mm x 44,5 mm, 1U	1 Gbps	IPv4/IPv6, 28-Port SNMP Manageable Gigabit Switch (24 + 4-Port SFP). IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>364,30 €</b>

# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches









### Layer 2/4 10/100/1000Mbps Web/SNMP Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>FGSW-2840</b>	PLANET™ Manageable Switch FGSW-2840 Layer 2	24	4+2	440 mm x 180 mm x 44 mm, 1U	1 Gbps	24-Port SNMP Manageable 10/100Base-TX + 4-Port 1000Base-T Gigabit + 2-Port MiniGBIC(SFP) Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>187,08 €</b>
	<b>FGSW-4840S</b>	PLANET™ Manageable Switch FGSW-4840S Layer 2	48	4+2	440 mm x 180 mm x 44 mm, 1U	1 Gbps	48-Port SNMP Manageable 10/100Base-TX + 2-Port 1000Base-T Gigabit + 2-Port MiniGBIC(SFP) Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>292,92 €</b>
	<b>GSD-1020S</b>	PLANET™ Manageable Switch GSD-1020S Layer 2	8	2	217 mm x 135 mm x 43,5 mm	1 Gbps	IPv6 Managed 8-Port 10/100/1000Mbps + 2-Port 100/1000X SFP Gigabit Ethernet Switch (Internal Power Supply). IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>160,00 €</b>
	<b>GSD-1002M</b>	PLANET™ Manageable Switch GSD-1002M Layer 2	8	2	191 mm x 86 mm x 26 mm	1 Gbps	IPv4/IPv6 Managed 8-Port 10/100/1000Mbps + 2-Port 100/1000X SFP Gigabit Desktop Ethernet Switch (POE PD, External PWR). IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>152,62 €</b>
	<b>GS-4210-16T2S</b>	PLANET™ Manageable Switch GS-4210-16T2S Layer 2	16	2	445 mm x 207 mm x 45 mm, 1U	1 Gbps	IPv4/IPv6, 16-Port 10/100/1000Base-T + 2-Port 100/1000MBPS SFP L2/L4 SNMP Manageable Gigabit Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>201,84 €</b>
	<b>GS-4210-24T2S</b>	PLANET™ Manageable Switch GS-4210-24T2S Layer 2	24	2	445 mm x 207 mm x 45 mm, 1U	1 Gbps	IPv4/IPv6, 24-Port 10/100/1000Base-T + 2-Port 100/1000MBPS SFP L2/L4 SNMP Manageable Gigabit Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>243,70 €</b>
	<b>GS-4210-48T4S</b>	PLANET™ Manageable Switch GS-4210-48T4S Layer 2	48	4	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	IPv4/IPv6, 48-Port 10/100/1000Base-T + 4-Port 100/1000MBPS SFP L2/L4 /SNMP Manageable Gigabit Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>733,54 €</b>
	<b>GS-2240-24T4X</b>	PLANET™ Manageable Switch GS-2240-24T4X Layer 2	24	4	440 mm x 230 mm x 44 mm, 1U	10 Gbps	19" Rack Mountable Web/Smart Gigabit Ethernet Switch with 10G Uplink. 24-port 10/100/1000T + 4-port 10G SFP+ Web Smart Manageable Ethernet Switch, 802.1Q VLAN, IGMP Snooping, MSTP, LACP, SNMPv1/v2. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>512,00 €</b>

# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches









### Layer 2/4 10/100/1000Mbps Web/SNMP Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>GS-2240-48T4X</b>	PLANET™ Manageable Switch GS-2240-48T4X Layer 2	48	4	440 mm x 230 mm x 44 mm, 1U	10 Gbps	19" Rack Mountable Web/Smart Gigabit Ethernet Switch with 10G Uplink. 48-port 10/100/1000T + 4-port 10G SFP+ Web Smart Manageable Ethernet Switch, 802.1Q VLAN, IGMP Snooping, MSTP, LACP, SNMPv1/v2c. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>979,70 €</b>
	<b>FNSW-1601</b>	PLANET™ Manageable Switch FNSW-1601 Layer 2	16	NO	445 mm x 207 mm x 45 mm, 1U	100 Mbps	19" Rack Mountable Unmanaged Ethernet Switch. 16-Port 10/100Base-TX Fast Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>64,00 €</b>
	<b>FNSW-2401</b>	PLANET™ Manageable Switch FNSW-2401 Layer 2	24	NO	445 mm x 207 mm x 45 mm, 1U	100 Mbps	19" Rack Mountable Unmanaged Ethernet Switch. 24-Port 10/100Base-TX Fast Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>75,82 €</b>
	<b>FGSW-2620</b>	PLANET™ Manageable Switch FGSW-2620 Layer 2	24	2	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	19" Rack Mountable Unmanaged Ethernet Switch. 24-Port 10/100Base-TX + 2-Port 10/100/1000Base-T Gigabit Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>128,00 €</b>
	<b>FNSW-4800</b>	PLANET™ Manageable Switch FNSW-4800 Layer 2	48	NO	440 mm x 180 mm x 44 mm, 1U	100 Mbps	19" Rack Mountable Unmanaged Ethernet Switch. 48-Port 10/100Base-TX Fast Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>177,24 €</b>
	<b>GSW-1601</b>	PLANET™ Manageable Switch GSW-1601 Layer 2	16	NO	440 mm x 180 mm x 44 mm, 1U	1 Gbps	19" Rack Mountable Unmanaged Ethernet Switch. 16-Port 10/100/1000Mbps Gigabit Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>130,46 €</b>
	<b>GSW-2401</b>	PLANET™ Manageable Switch GSW-2401 Layer 2	24	NO	440 mm x 180 mm x 44 mm, 1U	1 Gbps	19" Rack Mountable Unmanaged Ethernet Switch. 24-Port 10/100/1000Mbps Gigabit Ethernet Switch. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>169,84 €</b>
	<b>GSW-4800</b>	PLANET™ Manageable Switch GSW-4800 Layer 2	48	NO	440 mm x 220 mm x 44 mm, 1U	1 Gbps	19" Rack Mountable Unmanaged Ethernet Switch. 48-Port 10/100/1000Mbps Gigabit Ethernet Switch, fan less. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>482,46 €</b>

# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches





### Layer 2/4 10/100/1000Mbps Web/SNMP Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>SW-504</b>	PLANET™ Manageable Switch SW-504 Layer 2	5	NO	168 mm x 100 mm x 29 mm	100 Mbps	SOHO / Desktop Ethernet Switch. 5-Port 10/100Base-TX Ethernet Switch, Plastic. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>16,24 €</b>
	<b>SW-804</b>	PLANET™ Manageable Switch SW-804 Layer 2	8	NO	168 mm x 100 mm x 29 mm	100 Mbps	SOHO / Desktop Ethernet Switch. 8-Port 10/100Base-TX Ethernet Switch, Plastic. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>18,46 €</b>
	<b>FSD-503</b>	PLANET™ Manageable Switch FSD-503 Layer 2	5	NO	155 mm x 86 mm x 26 mm	100 Mbps	SOHO / Desktop Ethernet Switch. 5-Port 10/100Mbps Fast Ethernet Switch, Metal. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>22,16 €</b>
	<b>FSD-803</b>	PLANET™ Manageable Switch FSD-803 Layer 2	8	NO	155 mm x 86 mm x 26 mm	100 Mbps	SOHO / Desktop Ethernet Switch. 8-Port 10/100Mbps Fast Ethernet Switch, Metal. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>27,56 €</b>
	<b>FSD-1606</b>	PLANET™ Manageable Switch FSD-1606 Layer 2	16	NO	220 mm x 135 mm x 35 mm	100 Mbps	SOHO / Desktop Ethernet Switch. 16-Port 10/100Mbps Fast Ethernet Switch, External Power - plastic case. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>38,90 €</b>
	<b>GSD-503</b>	PLANET™ Manageable Switch GSD-503 Layer 2	5	NO	155 mm x 86 mm x 26 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 5-Port 10/100/1000Mbps Gigabit Ethernet Switch (External Power) - Metal Case. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>38,90 €</b>
	<b>GSD-803</b>	PLANET™ Manageable Switch GSD-803 Layer 2	8	NO	155 mm x 86 mm x 26 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 8-Port 10/100/1000Mbps Gigabit Ethernet Switch (External Power) - Metal Case. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>51,20 €</b>
	<b>GSD-1603</b>	PLANET™ Manageable Switch GSD-1603 Layer 2	16	NO	155 mm x 118 mm x 46 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 16-Port 10/100/1000Mbps Gigabit Ethernet Switch (External Power) - Metal Case. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>102,90 €</b>

# 7.1 | ETHERNET SWITCHES

## Layer 2 and 3 Manageable Switches

### Layer 2/4 10/100/1000Mbps Web/SNMP Manageable Switches

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>GSD-803PD</b>	PLANET™ Manageable Switch GSD-803PD Layer 2	8	NO	155 mm x 86 mm x 26 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 8-Port 10/100/1000Mbps Gigabit Ethernet PD POE Switch (built-in POE Splitter). IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>67,94 €</b>
	<b>GSD-504</b>	PLANET™ Manageable Switch GSD-504 Layer 2	5	NO	168 mm x 100 mm x 29 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 5-Port 10/100/1000Mbps Gigabit Ethernet Switch (External Power) - Plastic Case. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>34,22 €</b>
	<b>GSD-804</b>	PLANET™ Manageable Switch GSD-804 Layer 2	8	NO	168 mm x 100 mm x 29 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 8-Port 10/100/1000Mbps Gigabit Ethernet Switch (External Power) - Plastic Case. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>46,28 €</b>
	<b>GSD-805</b>	PLANET™ Manageable Switch GSD-805 Layer 2	8	NO	191 mm x 85 mm x 26 mm	1 Gbps	SOHO / Desktop Ethernet Switch. 8-Port 1000Base-T Desktop Gigabit Ethernet Switch - Internal Power. IPv6 / 802.1Q VLAN / Q-in-Q / MSTP / IGMP Snooping / ACL / RADIUS / TACACS+ / SSH / SSL / SNMPv3	<b>68,92 €</b>

### Accessories for Switches L2 Manageables

P/N	Description	List Price
RKE-10A	Rack Mount Kits for 10-inch cabinet (10" Desktop Switch)	<b>7,38 €</b>
RKE-10B	Rack Mount Kits for 19-inch cabinet (10" Desktop Switch)	<b>12,30 €</b>

# 7.2

## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

### Switches and PoE Injectors for Security Systems

#### Managed 802.3at High Power PoE Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>XGSW-28040HP</b>	PLANET™ Manageable Switch XGSW-28040HP High PoE Layer 2	24	4	440 mm x 300 mm x 44,5 mm, 1U	10 Gbps	L2+ 24-Port 10/100/1000T 802.3at POE+ plus 4-port 10G SFP+ Managed Switches with Hardware Layer3 IPv4/IPv6 Static Routing, 440W POE Budget, ERPS Ring	<b>1.400,62 €</b>
	<b>WGSW-48040HP</b>	PLANET™ Manageable Switch WGSW-48040HP High PoE Layer 2	48	4	440 mm x 440 mm x 44,2 mm, 1U	1 Gbps	L2+ 48-Port 10/100/1000T 802.3at POE+ plus 4 shared 100/1000Mbps SFP Managed Switches with Hardware Layer3 IPv4/IPv6 Static Routing (600Watts)	<b>1.816,62 €</b>
	<b>WGSW-24040HP</b>	PLANET™ Manageable Switch WGSW-24040HP High PoE Layer 2	24	4	330 mm x 155 mm x 43,5 mm, 1U	1 Gbps	IPv6 L2+/L4 Managed 24-Port 802.3at PoE+ Gigabit Ethernet Switch + 4-Port Shared SFP (220W)	<b>704,00 €</b>
	<b>WGSW-24040HP4</b>	PLANET™ Manageable Switch WGSW-24040HP4 High PoE Layer 2	24	4	330 mm x 155 mm x 43,5 mm, 1U	1 Gbps	IPv6 L2+/L4 Managed 24-Port 802.3at PoE+ Gigabit Ethernet Switch + 4-Port Shared SFP (440W)	<b>782,76 €</b>
	<b>WGSW-20160HP</b>	PLANET™ Manageable Switch WGSW-20160HP High PoE Layer 2	16	4	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	IPv6 Managed 16-Port 802.3at PoE Gigabit Ethernet Switch + 4-Port SFP (230W)	<b>585,84 €</b>
	<b>GS-5220-8P2T2S</b>	PLANET™ Manageable Switch GS-5220-8P2T2S High PoE Layer 2	8	2	330 mm x 200 mm x 43,5 mm, 1U	1 Gbps	IPv4/IPv6 L2+/L4 Managed 8-Port 802.3at High Power PoE Gigabit Ethernet Switch + 2-Port 100/1000SFP + 2-Port 10/100/1000T RJ45 (240W)	<b>487,38 €</b>
	<b>WGSW-10020HP</b>	PLANET™ Manageable Switch WGSW-10020HP High PoE Layer 2	8	2	330 mm x 155 mm x 43,5 mm, 1U	1 Gbps	IPv4/IPv6 L2+/L4 Managed 8-Port 802.3at High Power PoE Gigabit Ethernet Switch + 2-Port SFP (150W)	<b>408,62 €</b>
	<b>GS-4210-48P4S</b>	PLANET™ Manageable Switch GS-4210-48P4S High PoE Layer 2	48	4	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	IPv6/IPv4, 48-Port Managed 802.3at POE+ Gigabit Ethernet Switch + 4-Port 100/1000X SFP (440W)	<b>1.270,16 €</b>

# 7.2

## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

### Switches and PoE Injectors for Security Systems

#### Managed 802.3at High Power PoE Switch


	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>GS-4210-24P4C</b>	PLANET™ Manageable Switch GS-4210-24P4C High PoE Layer 2	24	4	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	IPv6/IPv4, 24-Port Managed 802.3at POE+ Gigabit Ethernet Switch + 4-Port Gigabit Combo TP/SFP (220W)	<b>684,30 €</b>
	<b>GS-4210-24PL4C</b>	PLANET™ Manageable Switch GS-4210-24PL4C High PoE Layer 2	24	4	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	IPv6/IPv4, 24-Port Managed 802.3at POE+ Gigabit Ethernet Switch + 4-Port Gigabit Combo TP/SFP (440W)	<b>758,16 €</b>
	<b>GS-4210-24P2S</b>	PLANET™ Manageable Switch GS-4210-24P2S High PoE Layer 2	24	2	445 mm x 207 mm x 45 mm, 1U	1 Gbps	IPv4, 24-Port Managed 802.3at POE+ Gigabit Ethernet Switch + 2-Port 100/1000X SFP (300W)	<b>659,70 €</b>
	<b>GS-4210-8P2T2S</b>	PLANET™ Manageable Switch GS-4210-8P2T2S High PoE Layer 2	8	2	330 mm x 200 mm x 44,5 mm, 1U	1 Gbps	IPv4/IPv6, 8-Port Managed 802.3at POE+ Gigabit Ethernet Switch + 2-Port 10/100/1000Mbps RJ45 + 2-Port 100/1000X SFP (240W)	<b>455,38 €</b>
	<b>GS-4210-8P2S</b>	PLANET™ Manageable Switch GS-4210-8P2S High PoE Layer 2	8	2	330 mm x 155 mm x 43,5 mm, 1U	1 Gbps	IPv4/IPv6, 8-Port Managed 802.3at POE+ Gigabit Ethernet Switch + 2-Port 100/1000X SFP (120W)	<b>300,30 €</b>
	<b>FGSD-1008HPS</b>	PLANET™ Manageable Switch FGSD-1008HPS High PoE Layer 2	8	2	330 mm x 155 mm x 43,5 mm, 1U	1 Gbps	8-Port 10/100TX 802.3at High Power POE + 2-Port Gigabit TP/SFP Combo Managed Ethernet Switch (120W)	<b>290,46 €</b>
	<b>FGSW-1816HPS</b>	PLANET™ Manageable Switch FGSW-1816HPS High PoE Layer 2	16	2	440 mm x 200 mm x 44,5 mm, 1U	1 Gbps	16-Port 10/100TX 802.3at High Power POE + 2-Port Gigabit TP/SFP Combo Managed Ethernet Switch (220W)	<b>438,16 €</b>
	<b>FGSW-2624HPS</b>	PLANET™ Manageable Switch FGSW-2624HPS High PoE Layer 2	24	2	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	24-Port 10/100TX 802.3at High Power POE + 2-Port Gigabit TP/SFP Combo Managed Ethernet Switch (220W)	<b>610,46 €</b>

# 7.2





## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

### Switches and PoE Injectors for Security Systems


#### Managed 802.3at High Power PoE Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>FGSW-2624HPS4</b>	PLANET™ Manageable Switch FGSW-2624HPS4 High PoE Layer 2	24	2	440 mm x 300 mm x 44,5 mm, 1U	1 Gbps	24-Port 10/100TX 802.3at High Power POE + 2-Port Gigabit TP/SFP Combo Managed Ethernet Switch (420W)	<b>733,54 €</b>

#### Managed 802.3af PoE Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>FGSW-1828PS</b>	PLANET™ Manageable Switch FGSW-1828PS PoE Layer 2	16	2	440 mm x 120 mm x 44 mm, 1U	10/100 Mbps	16-Port 10/100 (8-Port PoE) + 2-Port MiniGBIC/SFP Ethernet Web/Smart PoE Switch (110W)	<b>268,30 €</b>
	<b>FNSW-2400PS</b>	PLANET™ Manageable Switch FNSW-2400PS PoE Layer 2	24	NO	445 mm x 207 mm x 45 mm, 1U	10/100 Mbps	24-Port 10/100 Web/Smart Ethernet POE Switch (125W)	<b>391,38 €</b>
	<b>FNSW-1608PS</b>	PLANET™ Manageable Switch FNSW-1608PS PoE Layer 2	16	NO	440 mm x 120 mm x 44 mm, 1U	10/100 Mbps	16-Port 10/100 Ethernet Web/Smart Switch with 8-Port 802.3af PoE Injector (110W)	<b>241,24 €</b>
	<b>FSD-804PS</b>	PLANET™ Manageable Switch FSD-804PS PoE Layer 2	8	NO	217 mm x 135 mm x 43 mm	10/100 Mbps	10" 8-Port 10/100 Ethernet Web/Smart Switch with 4-Port 802.3af PoE Injector (55W)	<b>130,46 €</b>

#### Unmanaged 802.3at High Power PoE Switch









	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>GSD-908HP</b>	PLANET™ Switch High PoE GSD-908HP	8+1	NO	103 mm x 235 mm x 27 mm	1 Gbps	8-Port 10/100/1000 Gigabit 802.3at POE Ethernet Switch plus 1-Port Gigabit Ethernet Switch (120W POE Budget with External Power Supply)	<b>211,70 €</b>

# 7.2

## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

### Switches and PoE Injectors for Security Systems

#### Unmanaged 802.3at High Power PoE Switch




	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>GSD-808HP</b>	PLANET™ Switch High PoE GSD-808HP	8+8	NO	280 mm x 180 mm x 44 mm	1 Gbps	13" 8-Port 10/100/1000 Gigabit Ethernet Switch with 8-Port 802.3at High Power PoE+ Injector (130W)	<b>204,30 €</b>
	<b>GSD-808HP2</b>	PLANET™ Switch High PoE GSD-808HP2	8+8	NO	330 mm x 155 mm x 43,5 mm	1 Gbps	13" 8-Port 10/100/1000 Gigabit Ethernet Switch with 8-Port 802.3at POE+ (240W POE Budget)	<b>268,30 €</b>
	<b>GSD-604HP</b>	PLANET™ Switch High PoE GSD-604HP	4+2	NO	160 mm x 92,5 mm x 28 mm	1 Gbps	4-Port 10/100/1000T 802.3at POE + 2-Port 10/100/1000T Desktop Switch (55W POE Budget, External Power Supply)	<b>107,82 €</b>
	<b>FGSD-910HP</b>	PLANET™ Switch High PoE FGSD-910HP	8+1	NO	280 mm x 180 mm x 43 mm, 1U	1 Gbps	13" 8-Port 10/100 Ethernet 802.3at POE+ Switch with 1-Port Gigabit (130W)	<b>192,00 €</b>
	<b>FSD-808HP</b>	PLANET™ Switch High PoE FSD-808HP	8+8	NO	280 mm x 180 mm x 44 mm	10/100 Mbps	13" 8-Port 10/100 Ethernet Switch with 8-Port 802.3at High Power PoE Injector (130W)	<b>157,54 €</b>
	<b>FSD-504HP</b>	PLANET™ Switch High PoE FSD-504HP	4+1	NO	100 mm x 100 mm x 26 mm	10/100 Mbps	4-Port 10/100Mbps 802.3af/at POE + 1-Port 10/100MBPS Desktop Switch (60W POE Budget, External Power Supply)	<b>71,38 €</b>
	<b>GSW-1600HP</b>	PLANET™ Switch High PoE GSW-1600HP	16	NO	445 mm x 207 mm x 45 mm, 1U	1 Gbps	19" 16-Port 10/100/1000 unmanaged Gigabit Ethernet 802.3at POE+ Switch (220W)	<b>413,54 €</b>
	<b>GSW-2620HP</b>	PLANET™ Switch High PoE GSW-2620HP	24	2	445 mm x 207 mm x 45 mm, 1U	1 Gbps	19" 24-Port 10/100/1000T 802.3at POE + 2-Port 1000X SFP Unmanaged Gigabit Ethernet Switch (220W)	<b>531,70 €</b>

# 7.2





## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

Switches and PoE Injectors for Security Systems

### Unmanaged 802.3at High Power PoE Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>FGSD-1022VHP</b>	PLANET™ Switch High PoE FGSD-1022VHP	8	2	180 mm x 280 mm x 44 mm, 1U	10/100 Mbps	8-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP combo Desktop Switch with LCD PoE Monitor (120W)	<b>219,08 €</b>
	<b>FGSW-1822VHP</b>	PLANET™ Switch High PoE FGSW-1822VHP	16	2	233 mm x 440 mm x 44 mm, 1U	10/100 Mbps	16-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Ethernet Switch with LCD PoE Monitor (300W)	<b>388,92 €</b>
	<b>FGSW-2622VHP</b>	PLANET™ Switch High PoE FGSW-2622VHP	24	2	233 mm x 440 mm x 44 mm, 1U	10/100 Mbps	24-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Ethernet Switch with LCD PoE Monitor (300W)	<b>465,24 €</b>

### Unmanaged 802.3af PoE Switch









	P/N	Model	RJ45 Ports	POE Total	Measurements	Bandwidth	Description	List Price
	<b>FGSD-910P</b>	PLANET™ Switch PoE FGSD-910P	8+1	150W	280 mm x 180 mm x 43 mm, 1U	1 Gbps	13" 8-Port 10/100 Ethernet 802.3af POE Switch with 1-Port Gigabit Uplink (130W)	<b>192,00 €</b>
	<b>XFSD-808P</b>	PLANET™ Switch PoE FSD-808P	8	125W	280 mm x 180 mm x 43 mm	10/100 Mbps	13" 8-Port 10/100 Ethernet Switch with 8-Port 802.3af PoE Injector (125W)	<b>152,62 €</b>
	<b>GSD-804P</b>	PLANET™ Switch PoE GSD-804P	8	55W	217 mm x 135 mm x 43 mm	1 Gbps	10" 8-Port 10/100/1000 Gigabit Ethernet Switch with 4-Port 802.3af PoE Injector (55W)	<b>152,62 €</b>
	<b>FSD-804P</b>	PLANET™ Switch PoE FSD-804P	8	55W	217 mm x 135 mm x 43 mm	10/100 Mbps	10" 8-Port 10/100 Ethernet Switch with 4-Port 802.3af PoE Injector (55W)	<b>110,76 €</b>

# 7.2

## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

### Switches and PoE Injectors for Security Systems

#### Unmanaged/Managed 802.3af/at PoE Injector Hubs



	P/N	Model	RJ45 Ports	POE Total	Measurements	Bandwidth	Description	List Price
	<b>HPOE-2400G</b>	PLANET™ Hub PoE Injector HPOE-2400G	24	720W	440 mm x 300 mm x 44 mm	1 Gbps	24-Port 802.3at 30w Managed Gigabit High Power over Ethernet Injector Hub (full power - 720W)	<b>832,00 €</b>
	<b>HPOE-1200G</b>	PLANET™ Hub PoE Injector HPOE-1200G	12	350W	440 mm x 300 mm x 44 mm	1 Gbps	12-Port 802.3at 30w Managed Gigabit High Power over Ethernet Injector Hub (full power - 350W)	<b>585,84 €</b>
	<b>HPOE-460</b>	PLANET™ Hub PoE Injec- tor HPOE-460	4	120W	26 mm x 70 mm x 97 mm		4-Port 802.3at 30W High Power over Ethernet Injector Hub - 120W External Power Adapter	<b>142,76 €</b>
	<b>POE-2400G</b>	PLANET™ Hub PoE Injec- tor POE-2400G	24	400W	440 mm x 300 mm x 44 mm	1 Gbps	24-Port 802.3af Managed Gigabit Power over Ethernet Injector Hub (full power - 400W)	<b>585,84 €</b>
	<b>POE-1200G</b>	PLANET™ Hub PoE Injec- tor POE-1200G	12	200W	440 mm x 300 mm x 44 mm	1 Gbps	12-Port 802.3af Managed Gigabit Power over Ethernet Injector Hub (full power - 200W)	<b>381,54 €</b>
	<b>POE-2400P4</b>	PLANET™ Hub PoE Injector POE- 2400P4	24	400W	440 mm x 200 mm x 44 mm, 1U	10/100 Mbps	24-Port 802.3af Managed Power over Ethernet Injector Hub (full power - 400W)	<b>512,00 €</b>
	<b>POE-2400</b>	PLANET™ Hub PoE Injec- tor POE-2400	24	220W	440 mm x 200 mm x 44 mm, 1U	10/100 Mbps	24-Port 802.3af Managed Power over Ethernet Injector Hub - 220W	<b>499,70 €</b>
	<b>POE-400</b>	PLANET™ Hub PoE Injec- tor POE-400	4	60W	26 mm x 70 mm x 97 mm	10/100 Mbps	4-Port 802.3af Power over Ethernet Injector Hub - 60W External Power Adapter	<b>83,70 €</b>

# 7.2

## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

Switches and PoE Injectors for Security Systems

### Inyectores, Splitters y Extenders POE








	P/N	Model	Ptos. UTP	POE	Measurements	Bandwidth	Description	List Price
	<b>POE-173</b>	PLANET™ PoE Injector POE-173	1E/1S	60W	115 mm x 62,5 mm x 31 mm	1 Gbps	60-watt Ultra PoE Injector, Splitter. Single Port 10/100/1000Mbps Ultra POE Injector (60 Watts) - w/internal power	<b>78,76 €</b>
	<b>POE-171</b>	PLANET™ PoE Injector POE-171	1E/1S	60W	95 mm x 70 mm x 26 mm	1 Gbps	60-watt Ultra PoE Injector, Splitter. Single Port 10/100/1000Mbps Ultra POE Injector (60 Watts) -w/external power adapter	<b>86,16 €</b>
	<b>POE-171S</b>	PLANET™ PoE Injector POE-171S	1E/1S	12V/19V/24V	95 mm x 70 mm x 26 mm	1 Gbps	60-watt Ultra PoE Injector, Splitter. Single Port 10/100/1000Mbps Ultra POE Splitter (12V/19V/24V)	<b>103,38 €</b>
	<b>IPOE-E174</b>	PLANET™ Splitter PoE IPOE-E174	1E/1S	60W	56 mm x 87,8mm x 135 mm	1 Gbps	60-watt Ultra PoE Injector, Splitter. IP30 Industrial 1-Port 60W Ultra POE to 4-Port 802.3af/at Gigabit POE Extender (-40 to 75 C)	<b>219,08 €</b>
	<b>POE-161</b>	PLANET™ High PoE Injector POE-161	1E/1S	30W	95 mm x 70 mm x 25 mm	10/100 Mbps	802.3at Injector, Splitter, Extender. IEEE802.3at High Power PoE Injector - 30W	<b>64,00 €</b>
	<b>POE-163</b>	PLANET™ High PoE Injector POE-163	1E/1S	30W	115 mm x 62,5 mm x 31 mm	1 Gbps	802.3at Injector, Splitter, Extender. IEEE802.3at High Power PoE+ Gigabit Ethernet Injector - 30W (All-in-one Pack)	<b>48,74 €</b>
	<b>POE-164</b>	PLANET™ High PoE Injector POE-164	1E/1S	30W	115 mm x 62,5 mm x 31 mm	10/100 Mbps	802.3at Injector, Splitter, Extender. IEEE802.3at High Power PoE+ Fast Ethernet Injector - 30W (All-in-one Pack)	<b>39,38 €</b>
	<b>POE-162S</b>	PLANET™ Splitter High PoE POE-162S	1E/1S	12V/24V	135 mm x 87,8 mm x 32 mm	10/100 Mbps	802.3at Injector, Splitter, Extender. IEEE802.3at High Power PoE Splitter - 12V/24V	<b>56,62 €</b>

# 7.2

## SWITCHES E INYECTORES POWER OVER ETHERNET (POE)

Switches and PoE Injectors for Security Systems

### Inyectores, Splitters y Extenders POE








	P/N	Model	Ptos. UTP	POE	Measurements	Bandwidth	Description	List Price
	<b>POE-165S</b>	PLANET™ PoE Converter POE-165S	1E/1S	12V/19V/24V	94 mm x 70,3 mm x 26,2 mm	10/100 Mbps	802.3at Injector, Splitter, Extender. IEEE802.3at/af to Passive POE Power Converter (12V/19V/24V)	<b>64,00 €</b>
	<b>POE-E201</b>	PLANET™ High PoE Extensor POE-E201	1E/1S	26W	94 mm x 70 mm x 26 mm	10/100 Mbps	802.3at Injector, Splitter, Extender. IEEE802.3at POE+ Repeater (Extender) - High Power POE	<b>86,16 €</b>
	<b>POE-TESTER</b>	PLANET™ PoE Tester POE-TESTER	1	40~57V	23 mm x 70.1 mm x 22 mm	10/100 Mbps	802.3at Injector, Splitter, Extender. IEEE802.3at/af POE Tester	<b>24,12 €</b>
	<b>POE-151</b>	PLANET™ PoE Injector POE-151	1E/1S	5V/9V/12V	73mm x 55 mm x 24 mm	10/100 Mbps	802.3af Injector, Splitter, Extender. IEEE802.3af PoE Injector	<b>38,90 €</b>
	<b>POE-152</b>	PLANET™ PoE Injector POE-152	1E/1S	5V/12V	73 mm x 55 mm x 24 mm	1 Gbps	802.3af Injector, Splitter, Extender. IEEE802.3af PoE Injector - End-Span for Gigabit Ethernet	<b>40,62 €</b>
	<b>POE-152S</b>	PLANET™ PoE Splitter POE-152S	1E/1S	5V/12V	73 mm x 55 mm x 24 mm	1 Gbps	802.3af Injector, Splitter, Extender. IEEE802.3af PoE Splitter - End-Span for Gigabit Ethernet - 5V/12V	<b>24,12 €</b>
	<b>POE-E101</b>	PLANET™ PoE Booster POE-E101	1E/1S	13W	94 mm x 70 mm x 26 mm	10/100 Mbps	802.3af Injector, Splitter, Extender. IEEE802.3af POE Repeater (Extender)	<b>61,04 €</b>

# 7.3

## INDUSTRIAL SWITCHES

Extended Range Switches for Hard Environmental Conditions




Layer 2 / 4 10/100/1000Mbps Web/SNMP Manageable Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>IGS-6330-24T4S</b>	PLANET™ Industrial Switch IGS-6330-24T4S Manageable Layer 2 (L2+/L4)	24	4	440 mm x 200 mm x 44,5 mm, 1U	1 Gbps	IP30 19" Rack Mountable Industrial Layer3 Managed Ethernet Switch, 24*1000T + 4*1000X/SFP (-40 - 75 C)	<b>1.910,16 €</b>
	<b>IGS-5225-20T4C2X</b>	PLANET™ Industrial Switch IGS-5225-20T4C2X Manageable Layer 2 (L2+/L4)	24	4	440 mm x 200 mm x 44,5 mm, 1U	1 Gbps	IP30 19" Rack Mountable Industrial L2+/L4 Managed Ethernet Switch, 24*1000T with 4 shared 100/1000X SFP + 2*10G SFP+ (-40 - 75 C, AC + 2 DC, DIDO)	<b>1.496,62 €</b>
	<b>IGSW-24040T</b>	PLANET™ Industrial Switch IGSW-24040T Manageable Layer 2 (L2+/L4)	24	4	440 mm x 200 mm x 44,5 mm, 1U	1 Gbps	IP30 19" Rack Mountable Industrial L2+/L4 Managed Ethernet Switch, 24*1000T with 4 shared 100/1000X SFP (-40 - 75 C, AC + 2 DC, DIDO)	<b>955,08 €</b>
	<b>IGS-20040MT</b>	PLANET™ Industrial Switch IGS-20040MT Manageable Layer 2	2	16	72 mm x 107 mm x 152 mm	1 Gbps	IP30 Industrial 16* 10/100/1000TP + 4* 100/1000F SFP Full Managed Ethernet Switch (-40 to 75 degree C, 2*DI, 2*DO)	<b>876,30 €</b>
	<b>IGS-10080MFT</b>	PLANET™ Industrial Switch IGS-10080MFT Manageable Layer 2	2	8	152 mm x 107 mm x 72 mm	1 Gbps	IP30 Industrial 8* 100/1000F SFP + 2*10/100/1000T Full Managed Ethernet Switch (-40 to 75 degree C)	<b>630,16 €</b>
	<b>IGS-10020MT</b>	PLANET™ Industrial Switch IGS-10020MT Manageable Layer 2	4	8	87,8 mm x 135 mm x 56 mm	1 Gbps	IP30 Industrial 8* 1000TP + 2* 100/1000F SFP Full Managed Ethernet Switch (-40 to 75 degree C)	<b>462,76 €</b>
	<b>IGS-12040MT</b>	PLANET™ Industrial Switch IGS-12040MT Manageable Layer 2	4	8	107 mm x 72 mm x 152 mm	1 Gbps	IP30 Industrial 8* 1000TP + 4* 100/1000F SFP Full Managed Ethernet Switch (-40 to 75 degree C, 2*DI, 2*DO, 12V-72VDC IN)	<b>563,70 €</b>
	<b>IGS-801M</b>	PLANET™ Industrial Switch IGS-801M Manageable Layer 2	8	NO	135 mm x 87 mm x 32 mm, 1U	1 Gbps	IP30 Slim type 8-Port Industrial Manageable Gigabit Ethernet Switch (-10 to 60 degree C)	<b>258,46 €</b>





# 7.3 | INDUSTRIAL SWITCHES

## Extended Range Switches for Hard Environmental Conditions

### Unmanaged Industrial Ethernet Switch. DIN-Rail / Wall-Mount Gigabit Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>IGS-620TF</b>	PLANET™ Industrial Switch IGS-620TF	4	2	135 mm x 87 mm x 32 mm	1 Gbps	IP30 Industrial 4-Port 10/100/1000T + 2-Port 100/1000X SFP Gigabit Switch (-40 to 75 degree C)	<b>265,84 €</b>
	<b>IGS-801T</b>	PLANET™ Industrial Switch IGS-801T	4	NO	135 mm x 87 mm x 32 mm	1 Gbps	IP30 Slim type 8-Port Industrial Gigabit Ethernet Switch (-40 to 75 degree C)	<b>192,00 €</b>
	<b>IGS-501T</b>	PLANET™ Industrial Switch IGS-501T	5	NO	135 mm x 87 mm x 32 mm	1 Gbps	IP30 Slim type 5-Port Industrial Gigabit Ethernet Switch (-40 to 75 degree C)	<b>142,76 €</b>

### DIN-Rail Fast Ethernet Switch





	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>ISW-501T</b>	PLANET™ Industrial Switch ISW-501T	4	NO	135 mm x 87 mm x 32 mm	10/100 Mbps	IP30 Slim Type 5-Port Industrial Fast Ethernet Switch (-40 to 75 degree C)	<b>93,54 €</b>
	<b>ISW-801T</b>	PLANET™ Industrial Switch ISW-801T	8	NO	135 mm x 87 mm x 32 mm	10/100 Mbps	IP30 Slim Type 8-Port Industrial Fast Ethernet Switch (-40 to 75 degree C)	<b>110,76 €</b>
	<b>ISW-621</b>	PLANET™ Industrial Switch ISW-621	4	2	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 2-Port 100Base-FX(SC) (-40 - 75 C)	<b>167,38 €</b>
	<b>ISW-621T</b>	PLANET™ Industrial Switch ISW-621T	4	2	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 2-Port 100Base-FX(SC) (-40 - 75 C)	<b>172,30 €</b>

# 7.3

## INDUSTRIAL SWITCHES

Extended Range Switches for Hard Environmental Conditions







### DIN-Rail Fast Ethernet Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>ISW-621S15</b>	PLANET™ Industrial Switch ISW-621S15	4	2	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 2-Port 100Base-FX(15KM) (-10 - 60 C)	<b>187,08 €</b>
	<b>ISW-621TS15</b>	PLANET™ Industrial Switch ISW-621TS15	4	2	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 2-Port 100Base-FX(15KM) (-40 - 75 C)	<b>194,46 €</b>
	<b>ISW-621TF</b>	PLANET™ Industrial Switch ISW-621TF	4	2	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 2-Port SFP Fiber (-40 - 75 C)	<b>120,62 €</b>
	<b>ISW-511</b>	PLANET™ Industrial Switch ISW-511	4	1	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 1-Port 100Base-FX(SC) (-10 - 60 C)	<b>118,16 €</b>
	<b>ISW-511T</b>	PLANET™ Industrial Switch ISW-511T	4	1	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 1-Port 100Base-FX(SC) (-40 - 75 C)	<b>128,00 €</b>
	<b>ISW-511S15</b>	PLANET™ Industrial Switch ISW-511S15	4	1	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 1-Port 100Base-FX(15KM) (-10 - 60 C)	<b>137,84 €</b>
	<b>ISW-511TS15</b>	PLANET™ Industrial Switch ISW-511TS15	4	1	135 mm x 97 mm x 32 mm	10/100 Mbps	IP30 Slim Type 4-Port Industrial Ethernet Switch + 1-Port 100Base-FX(15KM) (-40 - 75 C)	<b>145,24 €</b>


# 7.3 | INDUSTRIAL SWITCHES

## Extended Range Switches for Hard Environmental Conditions

### Industrial Power over Ethernet Solution. DIN-Rail Gigabit POE Switch

	P/N	Model	RJ45 Ports	SFP Ports	Measurements	Bandwidth	Description	List Price
	<b>IGS-10020HPT</b>	PLANET™ Industrial PoE Switch IGS-10020HPT	8	2	152 mm x 107 mm x 72 mm	1 Gbps	IP30 L2+ SNMP Manageable 8-Port Gigabit POE+(AT) Switch + 2-Port Gigabit SFP Industrial Switch (-40 to 75 C), ERPS Ring Supported	<b>832,00 €</b>
	<b>IGS-10020PT</b>	PLANET™ Industrial PoE Switch IGS-10020PT	8	2	152 mm x 107 mm x 72 mm	1 Gbps	IP30 L2+ SNMP Manageable 8-Port Gigabit POE(Af) Switch + 2-Port Gigabit SFP Industrial Switch (-40 to 75 C), ERPS Ring Supported	<b>733,54 €</b>
	<b>IGS-4215-4P4T</b>	PLANET™ Industrial PoE Switch IGS-4215-4P4T	4+4	NO	161 mm x 101 mm x 72 mm	1 Gbps	IP30 Industrial L2/L4 4-Port 10/100/1000T 802.3at PoE + 4-Port 10/100/100T Managed Switch (-40~75 degrees C), dual redundant power input on 48~56VDC terminal block, SNMPv3, 802.1Q VLAN, IGMP Snooping, SSL, SSH, ACL	<b>588,30 €</b>
	<b>IGS-4215-4P4T2S</b>	PLANET™ Industrial PoE Switch IGS-4215-4P4T2S	4+4	2	161 mm x 101 mm x 72 mm	1 Gbps	IP30 Industrial L2/L4 4-Port 10/100/1000T 802.3at PoE + 4-Port 10/100/100T + 2-Port 100/1000X SFP Managed Switch (-40~75 degrees C), dual redundant power input on 48~56VDC terminal block, SNMPv3, 802.1Q VLAN, IGMP Snooping, SSL, SSH, ACL	<b>612,92 €</b>
	<b>IGS-624HPT</b>	PLANET™ Industrial PoE Switch IGS-624HPT	4	2	152 mm x 107 mm x 72 mm	1 Gbps	IP30 6-Port Gigabit Switch with 4-Port 802.3AT POE+ plus 2-port 100/1000X SFP (-40 to 75 C)	<b>507,08 €</b>
	<b>IGS-504HPT</b>	PLANET™ Industrial PoE Switch IGS-504HPT	5	NO	152 mm x 107 mm x 72 mm	1 Gbps	IP30 5-Port Gigabit Switch with 4-Port 802.3AT POE+ (-40 to 75 C)	<b>482,46 €</b>

### Industrial Power over Ethernet Solution. DIN-Rail Fast Ethernet POE Switch





	P/N	Model	RJ45 Ports	Otros Ptos.	Measurements	Bandwidth	Description	List Price
	<b>ISW-504PT</b>	PLANET™ Industrial PoE Switch ISW-504PT	5	NO	135 mm x 87,8 mm x 56 mm	10/100 Mbps	IP30 5-Port/TP POE Industrial Fast Ethernet Switch (-40 to 75 C)	<b>260,92 €</b>

# 7.3

## INDUSTRIAL SWITCHES

Extended Range Switches for Hard Environmental Conditions


### Industrial Power over Ethernet Solution. DIN-Rail Fast Ethernet POE Switch

	P/N	Model	RJ45 Ports	Otros Ptos.	Measurements	Bandwidth	Description	List Price
	<b>ISW-514PTF</b>	PLANET™ Industrial PoE Switch ISW-514PTF	4	1 SFP	135 mm x 87,8 mm x 56 mm	10/100 Mbps	IP30 4-Port/TP + 1-Port Fiber(SFP) POE Industrial Fast Ethernet Switch (-40 to 75 C)	<b>275,70 €</b>
	<b>ISW-504PS</b>	PLANET™ Industrial PoE Switch ISW-504PS	5	NO	135 mm x 87,8 mm x 56 mm	10/100 Mbps	IP30 5-Port/TP Web/Smart POE Industrial Fast Ethernet Switch (-10 to 60 C)	<b>268,30 €</b>
	<b>ISW-514PSF</b>	PLANET™ Industrial PoE Switch ISW-514PSF	4	1 SFP	135 mm x 87,8 mm x 56 mm	10/100 Mbps	IP30 4-Port/TP+1-Port Fiber(SFP) Web/Smart POE Industrial Fast Ethernet Switch (-10 to 60 C)	<b>285,54 €</b>
	<b>IVC-2004PT</b>	PLANET™ Industrial PoE Switch IVC-2004PT	4	1 BNC + 1 RJ11	135 mm x 87,8 mm x 50 mm	10/100 Mbps	IP30 Industrial Ethernet Extender, 4-Port POE Switch, 1-Port BNC, 1-Port RJ11 (-40 to 75C)	<b>364,30 €</b>

### Accessories for Manageables Industrial Switches

P/N	Description	List Price
CB-M12RJ	4-Pin D-Coding M12 Male to RJ-45 Ethernet Cable, 1.2 meters	<b>15,26 €</b>
CB-M12RJ-10	4-Pin D-Coding M12 Male to RJ-45 Ethernet Cable, 10 meters	<b>29,54 €</b>
CB-M12EXT-10	4-Pin D-Coding M12 Male to D-Coding M12 Female Ethernet Cable, 10meters	<b>44,30 €</b>






### Industrial Power over Ethernet Solution. Solar Power POE Conversion

	P/N	Model	RJ45 Ports	Otros Ptos.	Measurements	Bandwidth	Description	List Price
	<b>BSP-300</b>	Switch High PoE Industrial PLANET™ BSP-300 con Kit Solar	2+1	NO	107,2 mm x 152 mm x 65,7 mm	1 Gbps	IP30 Industrial Solar Power PoE Switch (-20 to 60 degree C), 2-Port 802.3at Gigabit High Power PoE injector + 1-Port Gigabit Ethernet, Pulse Width Modulation (PWM) Protection, Co-working with 300 watts options solar PV kit and battery	<b>782,76 €</b>

# 7.3 | INDUSTRIAL SWITCHES

## Extended Range Switches for Hard Environmental Conditions


### Industrial PoE Injectors, Splitters & Wireless Access Points

	P/N	Model	RJ45 Ports	Otros Ptos.	Measurements	Bandwidth	Description	List Price
	<b>IPOE-162</b>	PLANET™ Industrial High PoE Injector IPOE-162	1E/1S	Allows redundant supply	135 mm x 87.8 mm x 32 mm	1 Gbps	IP30, Industrial 802.3at (30W) High Power PoE Injector (-40 to 75 C)	<b>137,84 €</b>
	<b>IPOE-162S</b>	PLANET™ Industrial High PoE Splitter POE-162S	1E/1S	Allows redundant supply	135 mm x 87.8 mm x 32 mm	1 Gbps	IP30, Industrial 802.3at High Power PoE Splitter - 12V & 24V (-40 to 75 C)	<b>118,16 €</b>
	<b>IAP-2000PE</b>	PLANET™ Industrial WAP & High PoE IAP-2000PE	4	Allows redundant supply	87.8 mm x 135 mm x 56 mm	10/100 Mbps	IP30 802.3af Industrial POE 802.11N Wireless Access Point, w/4-port switch (-10 to 60 degree C)	<b>315,08 €</b>
	<b>IAP-2000PS</b>	PLANET™ Industrial WAP IAP-2000PS	4	Allows redundant supply	87.8 mm x 135 mm x 56 mm	10/100 Mbps	IP30 Industrial 802.11n Wireless Access Point (2T2R, Four 10/100TX 802.3af PoE PSE ports)	<b>364,30 €</b>
	<b>IAP-2001PE</b>	PLANET™ Industrial WAP IAP-2001PE	4	1 SPF	87.8 mm x 135 mm x 56 mm	10/100 Mbps	IP30 Industrial 802.11n Wireless Access Point (2T2R, PD support + 1 FX SFP + 4x10/100TX)	<b>342,16 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters



### 10000Mbps 10G Ethernet XFP/SFP+ Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MTB-XSR</b>	PLANET™ Transceiver MTB-XSR	LC	Multi Mode	Until 300 m	10 Gbps	10G XFP Fiber Transceiver (Multi-Mode) for XGS3-XFP	<b>483,56 €</b>
	<b>MTB-XLR</b>	PLANET™ Transceiver MTB-XLR	LC	Mono Mode	Until 10 Km	10 Gbps	10G XFP Fiber Transceiver (Single-Mode) for XGS3-XFP	<b>668,44 €</b>
	<b>MTB-SR</b>	PLANET™ Transceiver MTB-SR	LC	Multi Mode	Until 300 m	10 Gbps	10G SFP+ Fiber Transceiver (Multi-mode)	<b>170,66 €</b>
	<b>MTB-LR</b>	PLANET™ Transceiver MTB-LR	LC	Mono Mode	Until 10 Km	10 Gbps	10G SFP+ Fiber Transceiver (Single-Mode)	<b>270,22 €</b>
	<b>MTB-LA20</b>	PLANET™ Transceiver MTB-LA20	LC	Mono Mode	Until 20 Km	10 Gbps	10G SFP+ Fiber Transceiver (WDM, TX:1270nm, RX:1330nm) - 20KM	<b>739,56 €</b>
	<b>MTB-LB20</b>	PLANET™ Transceiver MTB-LB20	LC	Mono Mode	Until 20 Km	10 Gbps	10G SFP+ Fiber Transceiver (WDM, TX:1330nm, RX:1270nm) - 20KM	<b>739,56 €</b>
	<b>MTB-LA40</b>	PLANET™ Transceiver MTB-LA40	LC	Mono Mode	Until 40 Km	10 Gbps	10G SFP+ Fiber Transceiver (WDM, TX:1270nm, RX:1330nm) - 40KM	<b>1.052,44 €</b>
	<b>MTB-LB40</b>	PLANET™ Transceiver MTB-LB40	LC	Mono Mode	Until 40 Km	10 Gbps	10G SFP+ Fiber Transceiver (WDM, TX:1330nm, RX:1270nm) - 40KM	<b>1.052,44 €</b>




# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters

### 10000Mbps 10G Ethernet XFP/SFP+ Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MTB-LA60</b>	PLANET™ Transceiver MTB-LA60	LC	Mono Mode	Until 60 Km	10 Gbps	10G SFP+ Fiber Transceiver (WDM, TX:1270nm, RX:1330nm) - 60KM	<b>1.486,22 €</b>
	<b>MTB-LB60</b>	PLANET™ Transceiver MTB-LB60	LC	Mono Mode	Until 60 Km	10 Gbps	10G SFP+ Fiber Transceiver (WDM, TX:1330nm, RX:1270nm) - 60KM	<b>1.486,22 €</b>








### 1000Mbps Gigabit Ethernet SFP Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MGB-GT</b>	PLANET™ Mini GBIC MGB-GT	RJ45	N/A	Until 100 m	1 Gbps	Mini GBIC TP Module	<b>92,44 €</b>
	<b>MGB-SX</b>	PLANET™ Mini GBIC MGB-SX	LC	Multi Mode	Until 550 m	1 Gbps	Mini GBIC SX Module	<b>49,06 €</b>
	<b>MGB-SX2</b>	PLANET™ Mini GBIC MGB-SX2	LC	Multi Mode	Until 2 Km	1 Gbps	Mini GBIC SX Module - up to 2KM	<b>52,98 €</b>
	<b>MGB-LX</b>	PLANET™ Mini GBIC MGB-LX	LC	Mono Mode	Until 10 Km	1 Gbps	Mini GBIC LX Module	<b>51,92 €</b>
	<b>MGB-L30</b>	PLANET™ Mini GBIC MGB-L30	LC	Mono Mode	Until 30 Km	1 Gbps	Mini GBIC LX Module - 30KM	<b>66,14 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters

### 1000Mbps Gigabit Ethernet SFP Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MGB-L50</b>	PLANET™ Mini GBIC MGB-L50	LC	Mono Mode	Until 50 Km	1 Gbps	Mini GBIC LX Module - 50KM	<b>184,88 €</b>
	<b>MGB-L70</b>	PLANET™ Mini GBIC MGB-L70	LC	Mono Mode	Until 70 Km	1 Gbps	Mini GBIC LX Module - 70KM	<b>234,66 €</b>
	<b>MGB-L120</b>	PLANET™ Mini GBIC MGB-L120	LC	Mono Mode	Until 120 Km	1 Gbps	Mini GBIC LX Module - 120KM	<b>408,88 €</b>
	<b>MGB-LA10</b>	PLANET™ Mini GBIC MGB-LA10	LC	Mono Mode	Until 10 Km	1 Gbps	Mini GBIC WDM TX1310 Module - 10KM	<b>67,56 €</b>
	<b>MGB-LB10</b>	PLANET™ Mini GBIC MGB-LB10	LC	Mono Mode	Until 10 Km	1 Gbps	Mini GBIC WDM TX1550 Module - 10KM	<b>92,44 €</b>
	<b>MGB-LA20</b>	PLANET™ Mini GBIC MGB-LA20	LC	Mono Mode	Until 20 Km	1 Gbps	Mini GBIC WDM TX1310 Module - 20KM	<b>78,22 €</b>
	<b>MGB-LB20</b>	PLANET™ Mini GBIC MGB-LB20	LC	Mono Mode	Until 20 Km	1 Gbps	Mini GBIC WDM TX1550 Module - 20KM	<b>105,96 €</b>
	<b>MGB-LA40</b>	PLANET™ Mini GBIC MGB-LA40	LC	Mono Mode	Until 40 Km	1 Gbps	Mini GBIC WDM TX1310 Module - 40KM	<b>163,56 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters

### 1000Mbps Gigabit Ethernet SFP Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MGB-LB40</b>	PLANET™ Mini GBIC MGB-LB40	LC	Mono Mode	Until 40 Km	1 Gbps	Mini GBIC WDM TX1550 Module - 40KM	<b>184,88 €</b>
	<b>MGB-LA60</b>	PLANET™ Mini GBIC MGB-LA60	LC	Mono Mode	Until 60 Km	1 Gbps	Mini GBIC WDM TX1310 Module - 60KM	<b>213,34 €</b>
	<b>MGB-LB60</b>	PLANET™ Mini GBIC MGB-LB60	LC	Mono Mode	Until 60 Km	1 Gbps	Mini GBIC WDM TX1550 Module - 60KM	<b>241,78 €</b>




### 100Mbps Fast Ethernet SFP Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MFB-FX</b>	PLANET™ Transceiver MFB-FX	LC	Multi Mode	Until 2 Km	100 Mbps	Multi-mode 100Mbps SFP fiber transceiver (2KM)	<b>56,18 €</b>
	<b>MFB-F20</b>	PLANET™ Transceiver MFB-F20	LC	Mono Mode	Until 20 Km	100 Mbps	Single Mode 20KM, 100Mbps SFP fiber transceiver	<b>59,74 €</b>
	<b>MFB-F40</b>	PLANET™ Transceiver MFB-F40	LC	Mono Mode	Until 40 Km	100 Mbps	Single Mode 40KM, 100Mbps SFP fiber transceiver	<b>70,40 €</b>
	<b>MFB-F60</b>	PLANET™ Transceiver MFB-F60	LC	Mono Mode	Until 60 Km	100 Mbps	Single Mode 60KM, 100Mbps SFP fiber transceiver	<b>73,96 €</b>





# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters

### 100Mbps Fast Ethernet SFP Fiber Transceivers

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MFB-F120</b>	PLANET™ Transceiver MFB-F120	LC	Mono Mode	Until 120 Km	100 Mbps	Single Mode 120KM, 100Mbps SFP fiber transceiver	<b>348,44 €</b>
	<b>MFB-FA20</b>	PLANET™ Transceiver MFB-FA20	LC	Mono Mode	Until 20 Km	100 Mbps	WDM Tx-1310, 20KM, 100Mbps SFP fiber transceiver	<b>60,44 €</b>
	<b>MFB-FB20</b>	PLANET™ Transceiver MFB-FB20	LC	Mono Mode	Until 20 Km	100 Mbps	WDM Tx-1550, 20KM, 100Mbps SFP fiber transceiver	<b>64,00 €</b>









### Extended Temperature Fiber Transceiver for Industrial Switches

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MTB-TSR</b>	PLANET™ Industrial Transceiver MTB-TSR	LC	Multi Mode	Until 300 m	10 Gbps	10G SFP+ Fiber Transceiver (Multi-mode, DDM, -40~75 degrees C) -300M	<b>199,12 €</b>
	<b>MTB-TLR</b>	PLANET™ Industrial Transceiver MTB-TLR	LC	Mono Mode	Until 10 Km	10 Gbps	10G SFP+ Fiber Transceiver (Single-mode, DDM, -40~75 degrees C) -10KM	<b>327,12 €</b>
	<b>MGB-TSX</b>	PLANET™ Industrial Transceiver MGB-TSX	LC	Multi Mode	Until 550 m	1 Gbps	Mini GBIC SX Module (-40 to 75 C), DDM Supported	<b>63,28 €</b>
	<b>MGB-TLX</b>	PLANET™ Industrial Transceiver MGB-TLX	LC	Mono Mode	Until 10 Km	1 Gbps	Mini GBIC LX Module (-40 to 75 C)	<b>69,68 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters








### Extended Temperature Fiber Transceiver for Industrial Switches

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MGB-TL30</b>	PLANET™ Industrial Transceiver MGB-TL30	LC	Mono Mode	Until 30 Km	10 Gbps	Mini GBIC Single Mode 30KM Module (-40 to 75 C), DDM Supported	<b>78,22 €</b>
	<b>MGB-TL70</b>	PLANET™ Industrial Transceiver MGB-TL70	LC	Mono Mode	Until 70 Km	10 Gbps	Mini GBIC Single Mode 70KM Module (-40 to 75 C), DDM Supported	<b>270,22 €</b>
	<b>MGB-TLA10</b>	PLANET™ Industrial Transceiver MGB-TLA10	LC	Mono Mode	Until 10 Km	10 Gbps	Mini GBIC WDM TX1310 Module - 10KM (-40 to 75C), DDM Supported	<b>81,78 €</b>
	<b>MGB-TLB10</b>	PLANET™ Industrial Transceiver MGB-TLB10	LC	Mono Mode	Until 10 Km	10 Gbps	Mini GBIC WDM TX1550 Module - 10KM (-40 to 75C), DDM Supported	<b>120,18 €</b>
	<b>MGB-TLA20</b>	PLANET™ Industrial Transceiver MGB-TLA20	LC	Mono Mode	Until 20 Km	10 Gbps	Mini GBIC WDM TX1310 Module - 20KM (-40 to 75C), DDM Supported	<b>92,44 €</b>
	<b>MGB-TLB20</b>	PLANET™ Industrial Transceiver MGB-TLB20	LC	Mono Mode	Until 20 Km	10 Gbps	Mini GBIC WDM TX1550 Module - 20KM (-40 to 75C), DDM Supported	<b>128,00 €</b>
	<b>MGB-TLA40</b>	PLANET™ Industrial Transceiver MGB-TLA40	LC	Mono Mode	Until 40 Km	10 Gbps	Mini GBIC WDM TX1310 Module - 40KM (-40 to 75C), DDM Supported	<b>199,12 €</b>
	<b>MGB-TLB40</b>	PLANET™ Industrial Transceiver MGB-TLB40	LC	Mono Mode	Until 40 Km	10 Gbps	Mini GBIC WDM TX1550 Module - 40KM (-40 to 75C), DDM Supported	<b>220,44 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters









### Extended Temperature Fiber Transceiver for Industrial Switches

	P/N	Model	Connector	Modes	Range	Bandwidth	Description	List Price
	<b>MGB-TLA60</b>	PLANET™ Industrial Transceiver MGB-TLA60	LC	Mono Mode	Until 60 Km	10 Gbps	Mini GBIC WDM TX1310 Module - 60KM (-40 to 75C), DDM Supported	<b>234,66 €</b>
	<b>MGB-TLB60</b>	PLANET™ Industrial Transceiver MGB-TLB60	LC	Mono Mode	Until 60 Km	10 Gbps	Mini GBIC WDM TX1550 Module - 60KM (-40 to 75C), DDM Supported	<b>256,00 €</b>
	<b>MFB-TFX</b>	PLANET™ Industrial Transceiver MFB-TFX	LC	Mono Mode	Until 2 Km	100 Mbps	Multi-mode 100Mbps SFP fiber transceiver (2KM) - (-40 to 75 C)	<b>63,28 €</b>
	<b>MFB-TF20</b>	PLANET™ Industrial Transceiver MFB-TF20	LC	Mono Mode	Until 20 Km	100 Mbps	Single Mode 20KM, 100Mbps SFP fiber transceiver - (-40 to 75 C)	<b>70,40 €</b>
	<b>MFB-TFA20</b>	PLANET™ Industrial Transceiver MFB-TFA20	WDM (LC)	Mono Mode	Until 20 Km	100 Mbps	WDM Tx-1310, 20KM, 100Mbps SFP fiber transceiver (-40 to 75C)	<b>85,34 €</b>
	<b>MFB-TFB20</b>	PLANET™ Industrial Transceiver MFB-TFB20	WDM (LC)	Mono Mode	Until 20 Km	100 Mbps	WDM Tx-1550, 20KM, 100Mbps SFP fiber transceiver (-40 to 75C)	<b>88,88 €</b>
	<b>MFB-TFA40</b>	PLANET™ Industrial Transceiver MFB-TFA40	WDM (LC)	Mono Mode	Until 40 Km	100 Mbps	WDM Tx-1310, 40KM, 100Mbps SFP fiber transceiver (-40 to 75C)	<b>103,12 €</b>
	<b>MFB-TFB40</b>	PLANET™ Industrial Transceiver MFB-TFB40	WDM (LC)	Mono Mode	Until 40 Km	100 Mbps	WDM Tx-1550, 40KM, 100Mbps SFP fiber transceiver (-40 to 75C)	<b>124,44 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters


### LANTRONIX™ Converters

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>UD11 00001-01</b>	LANTRONIX™ Converter UD11 00001-01	1	DM25F	95 mm x 171 mm x 76 mm	10/100 Mbps	Single port 10/100 device server with US domestic power supply	<b>230,16 €</b>
	<b>UD11 00002-01</b>	LANTRONIX™ Converter UD11 00002-01	1	DM25F	95 mm x 171 mm x 76 mm	10/100 Mbps	Single port 10/100 device server with international power supply and adapters	<b>230,16 €</b>
	<b>UD11 0000B-01</b>	LANTRONIX™ Converter UD11 0000B-01	1	DM25F	95 mm x 171 mm x 76 mm	10/100 Mbps	Board only single port 10/100 device server	<b>151,23 €</b>
	<b>UD11 000P0-01</b>	LANTRONIX™ Converter UD11 000P0-01	1	DM25F	95 mm x 171 mm x 76 mm	10/100 Mbps	POE UDS1100 SINGLE PORT 10/100 DEVICE SERVER	<b>285,99 €</b>
	<b>UD11 00IA2-01</b>	LANTRONIX™ Converter UD11 00IA2-01	1	DM25F	95 mm x 171 mm x 76 mm	10/100 Mbps	IA single port 10/100 device server with international power supply and adapters	<b>304,60 €</b>
	<b>UD1100 NL2-01</b>	LANTRONIX™ Converter UD11 00NL2-01	1	DM25F	95 mm x 171 mm x 76 mm	10/100 Mbps	Single port non-labeled 10/100 device server with international power supply and adapters	<b>234,86 €</b>
	<b>WB21 00EG0-01</b>	LANTRONIX™ Converter WB21 00EG0-01	1	2 x DB9M	95 mm x 171 mm x 76 mm	10/100 Mbps	Serial to 802.11b/g wireless device server. Two DB9 DTE male serial ports, no power supply.	<b>502,25 €</b>
	<b>WB21 00EG1-01</b>	LANTRONIX™ Converter WB21 00EG1-01	1	2 x DB9M	95 mm x 171 mm x 76 mm	10/100 Mbps	Serial to 802.11b/g wireless or 10/100 Ethernet device server. Two DB9 DTE male serial ports, 120vdc domestic power supply, 9-30Volt DC input.	<b>518,50 €</b>



# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters




### LANTRONIX™ Converters

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>WB21 00EG2-01</b>	LANTRONIX™ Converter WB21 00EG2-01	1	2 x DB9M	95 mm x 171 mm x 76 mm	10/100 Mbps	Serial to 802.11b/g wireless or 10/100 Ethernet device server. Two DB9 DTE male serial ports, universal power supply, 100-240Volt AC	<b>518,50 €</b>

### Data converters Coax to Ethernet

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>VC-202A</b>	PLANET™ Converter/Router VC-202A Ethernet-Coax	1	1 x BNC / RJ11	97 mm x 70 mm x 26 mm	10/100 Mbps	100Mbps Ethernet to Coaxial (BNC) Converter - 17a. Ethernet Over VDSL2 Converter, Router	<b>135,38 €</b>
	<b>IVC-2002</b>	PLANET™ Converter/Switch IVC-2002 Ethernet-Coax	4	1 x BNC / RJ11	135 mm x 87,8 mm x 32 mm	10/100 Mbps	IP30 Industrial Ethernet Extender, 4-Port RJ45 (LAN), 1-Port BNC, 1-Port RJ11 (-40 to 75C). DIN-Rail Ethernet Converter	<b>241,24 €</b>

### Data converters Coax to Ethernet with PoE supply.

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>IVC-2004PT</b>	PLANET™ Converter/Switch PoE IVC-2004PT Ethernet-Coax	4	1 x BNC / RJ11	135 mm x 87,8 mm x 32 mm	10/100 Mbps	IP30 Industrial Ethernet Extender, 4-Port POE Switch, 1-Port BNC, 1-Port RJ11 (-40 to 75C). DIN-Rail Fast Ethernet POE Switch	<b>364,30 €</b>
	<b>VC-203PT</b>	PLANET™ Transmitter PoE VC-203PT Ethernet-Coax	1	1 x BNC	94 mm x 70,3 mm x 39,2 mm	10/100 Mbps	IEEE802.3 at POE+ over Coaxial Transmitter	<b>211,70 €</b>
	<b>VC-203PR</b>	PLANET™ Receiver PoE VC-203PR Ethernet-Coax	1	1 x BNC	94 mm x 70,3 mm x 39,2 mm	10/100 Mbps	IEEE802.3 at POE+ over Coaxial Receiver	<b>211,70 €</b>

# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters


### Standard Fast Ethernet Media Converter

	P/N	Model	RJ45 Ports	Connector	Range	Bandwidth	Description	List Price
	<b>FT-801</b>	PLANET™ Converter FT-801 Ethernet-FO	1	ST	Until 2 Km	10/100 Mbps	10/100Base-TX to 100Base-FX (ST) Bridge Media Converter, LFPT Supported	<b>99,56 €</b>
	<b>FT-802</b>	PLANET™ Converter FT-802 Ethernet-FO	1	SC	Until 2 Km	10/100 Mbps	10/100Base-TX to 100Base-FX (SC) Bridge Media Converter, LFPT Supported	<b>96,00 €</b>
	<b>FT-803</b>	PLANET™ Converter FT-803 Ethernet-FO	1	MTRJ	Until 2 Km	10/100 Mbps	10/100Base-TX to 100Base-FX (MT-RJ) Bridge Media Converter, LFPT Supported	<b>280,88 €</b>
	<b>FT-802S15</b>	PLANET™ Converter FT-802S15 Ethernet-FO	1	SC	Until 15 Km	10/100 Mbps	10/100TX - 100Base-FX (SC) Single Mode Bridge Fiber Converter - 15KM, LFPT	<b>106,66 €</b>
	<b>FT-802S35</b>	PLANET™ Converter FT-802S35 Ethernet-FO	1	SC	Until 35 Km	10/100 Mbps	10/100TX - 100Base-FX (SC) Single Mode Bridge Fiber Converter - 35KM, LFPT	<b>138,66 €</b>
	<b>FT-802S50</b>	PLANET™ Converter FT-802S50 Ethernet-FO	1	SC	Until 50 Km	10/100 Mbps	10/100TX - 100Base-FX (SC) Single Bridge Mode Fiber Converter - 50KM, LFPT	<b>174,22 €</b>
	<b>FT-806A20</b>	PLANET™ Converter FT-806A20 Ethernet-FO	1	WDM SC	Until 20 Km	10/100 Mbps	10/100TX - 100Base-FX (WDM) Bi-directional Fiber Converter - 1310nm - 20KM, LFPT	<b>117,34 €</b>
	<b>FT-806B20</b>	PLANET™ Converter FT-806B20 Ethernet-FO	1	WDM SC	Until 20 Km	10/100 Mbps	10/100TX - 100Base-FX (WDM) Bi-directional Fiber Converter - 1550nm - 20KM, LFPT	<b>120,88 €</b>




# 7.4 | MEDIA CONVERTERS

## Transceivers and Protocol Converters

### Standard Fast Ethernet Media Converter

	P/N	Model	RJ45 Ports	Connector	Range	Bandwidth	Description	List Price
	<b>FT-1205A</b>	PLANET™ Convertert FT-1205A Ethernet-FO	1	2 x SFP	Until 2 Km	10/100 Mbps	1-Port 10/100TX - 2-Port 100Base-FX(SFP) Switch/Redundant Media Converter	<b>113,78 €</b>

### Chassis



	P/N	Model	Slots	Size	Height	Ral	Description	List Price
	<b>MC-700</b>	PLANET™ Chassis MC-700	7	217 mm x 140 mm x 88,5 mm	2 U	BLACK	7-Slot 10" Media Converter Chassis	<b>316,44 €</b>
	<b>MC-1500</b>	PLANET™ Chassis MC-1500	15	440 mm x 103 mm x 180 mm	2.4 U	BLACK	15-slot 19" Media Converter Chassis	<b>529,78 €</b>
	<b>MC-1500R</b>	PLANET™ Chassis MC-1500R	15	440 mm x 103 mm x 180 mm	2.4 U	BLACK	15-slot 19" Media Converter Chassis with Redundant Power Option	<b>632,88 €</b>

# 7.5



## CONNECTIVITY WITHOUT CABLES

Dispositivos y medios de Bandwidth wireless tribanda y cuatribanda (LTE)



### Connectivity 3G/4G

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>R3000-3G</b>	ROBUSTEL® R3000 3G Router	4	Ports serie RS-232 and RS-485	125 mm x 108 mm x 45 mm	GSM/GPRS/EDGE/UMTS	Robustel R3000 is a rugged cellular router offering state-of-the-art mobile connectivity for machine to machine (M2M) applications. For transferring data from ALPR point to the host station in headquarters. Dual SIM redundancy for continuous cellular connections, supports 2G/3G. 4 Ethernet ports and serial RS-232 and RS-485 ports. VPN tunnel: IPSec/OpenVPN/PPTP/L2TP/GRE. Auto reboot via SMS/Caller ID/Timing. Supports RobustLink (Centralized M2M management platform).	<b>599,00 €</b>
	<b>R3000-LTE</b>	ROBUSTEL® R3000 4G Router	4	Ports serie RS-232 and RS-485	125 mm x 108 mm x 45 mm	GSM/GPRS/EDGE/UMTS/LTE	Robustel R3000 is a rugged cellular router offering state-of-the-art mobile connectivity for machine to machine (M2M) applications. For transferring data from ALPR point to the host station in headquarters. Dual SIM redundancy for continuous cellular connections, supports 2G/3G/4G. 4 Ethernet ports and serial RS-232 and RS-485 ports. VPN tunnel: IPSec/OpenVPN/PPTP/L2TP/GRE. Auto reboot via SMS/Caller ID/Timing. Supports RobustLink (Centralized M2M management platform).	<b>799,00 €</b>

### Connectivity Point-to-Point

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>QB-8250-LNK-WD</b>	PROXIM™ Link QB-8250-LNK-WD	2	RS-232 (includes RJ11 to DB-9)	274 mm x 283 mm x 86 mm + 370 mm x 370 mm x 94 mm	300 Mbps	Links Point-to-Point Tsunami QB-8250 with the increase of wireless network using the 5 GHz band and technology MIMO 2x2 with 23dBi integrated panel antenna (Two QB-8250-LNK-WD).	<b>5.270,00 €</b>
	<b>QB-825-LNK-50+-EU</b>	PROXIM™ Link QB-825-LNK-50+-EU	2	RS-232 (includes RJ11 to DB-9)	274 mm x 283 mm x 86 mm + 370 mm x 370 mm x 94 mm	2 x 50 Mbps	Links Point-to-Point Tsunami QB-825. 2x50 Mbps bandwidth and technology MIMO 2x2 with 15dBi integrated panel antenna (Two QB-825-EPR-50+-WD).	<b>CONS</b>

### Connectivity Point-to-Multi-Point


	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>MP-8200-BSU-WD</b>	PROXIM™ Link MP-8200-BSU-WD	2	RS-232 (includes RJ11 to DB-9)	274 mm x 283 mm x 86 mm + 370 mm x 370 mm x 94 mm	300 Mbps	Base Station (No antenna integrated). Point to Multipoint solution that can deliver 300 Mbps data rates and 3x3 MIMO techniques to improve link performance. Features dual Gigabit Ethernet ports with PoE in/out to power other devices like surveillance cameras and wireless access points (IEEE 802.3af).	<b>5.796,00 €</b>
	<b>MP-8250-SUR-WD</b>	PROXIM™ Link MP-8250-SUR-WD	2	RS-232 (includes RJ11 to DB-9)	274 mm x 283 mm x 86 mm + 370 mm x 370 mm x 94 mm	300 Mbps	Point to Multipoint solution that can deliver 300 Mbps data rates. Non-line-of-sight capable, utilizing OFDM and 3x3 MIMO techniques to improve link performance and penetrate through or around obstructions better. Features dual Gigabit Ethernet ports with PoE in/out to power other devices like surveillance cameras and wireless access points.	<b>1.984,00 €</b>

# 7.5

## CONNECTIVITY WITHOUT CABLES

Dispositivos y medios de Bandwidth wireless tribanda y cuatribanda (LTE)









### Connectivity Point-to-Multi-Point

	P/N	Model	RJ45 Ports	Otros Ptos.	Size	Bandwidth	Description	List Price
	<b>MP-8200-SUA-WD</b>	PROXIM™ Link MP-8200-SUA-WD	2	RS-232 (includes RJ11 to DB-9)	274 mm x 283 mm x 86 mm + 370mm x 370 mm x 94 mm	300 Mbps	Tsunami® MP-8150.Point to Multipoint solution that can deliver 300 Mbps data rates. Non-line-of-sight capable, utilizing OFDM and 3x3 MIMO techniques to improve link performance and penetrate through or around obstructions better. Features dual Gigabit Ethernet ports with PoE in/out to power other devices like surveillance cameras and wireless access points.	<b>2.350,00 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse









### KVM Desktop Switch

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS533-AT</b>	ATEN™ KVM Switch CS533-AT	1 PORT	USB	N/A	N/A	USB to Bluetooth KM Switch - Use your desktop keyboard on your Smartphone or Tablet	<b>75,60 €</b>
	<b>CS82AC-AT</b>	ATEN™ KVM Switch CS82AC-AT	2 PORTS	PS/2	VGA (DB15)	NO	2-Port USB - PS/2 VGA KVM Switch (KVM Cables included)	<b>66,70 €</b>
	<b>CS84AC-AT</b>	ATEN™ KVM Switch CS84AC-AT	4 PORTS	PS/2	VGA (DB15)	NO	4-Port USB - PS/2 VGA KVM Switch (KVM Cables included)	<b>106,40 €</b>
	<b>CS82U-AT</b>	ATEN™ KVM Switch CS82U-AT	2 PORTS	PS/2	VGA (DB15)	NO	2-Port USB - PS/2 VGA KVM Switch (KVM Cables included)	<b>69,10 €</b>
	<b>CS84U-AT</b>	ATEN™ KVM Switch CS84U-AT	4 PORTS	PS/2	VGA (DB15)	NO	4-Port USB - PS/2 VGA KVM Switch (KVM Cables included)	<b>117,40 €</b>
	<b>CS72U-AT</b>	ATEN™ KVM Switch CS72U-AT	2 PORTS	USB	VGA (DB15)	Jack 3.5 mm	2-Port USB KVM with Audio (KVM Cables included)	<b>74,60 €</b>
	<b>CS74U-AT</b>	ATEN™ KVM Switch CS74U-AT	4 PORTS	USB	VGA (DB15)	Jack 3.5 mm	4-Port USB KVM with Audio (KVM Cables included)	<b>120,20 €</b>
	<b>CS72D-AT</b>	ATEN™ KVM Switch CS72D-AT	2 PORTS	USB	DVI	Jack 3.5 mm	2-Port USB DVI KVM (KVM Cables included)	<b>142,80 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse









### KVM Desktop Switch

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS74D-AT-G</b>	ATEN™ KVM Switch CS74D-AT-G	4 PORTS	USB	DVI	Jack 3.5 mm	4-Port USB DVI KVM (KVM Cables included)	<b>204,40 €</b>
	<b>CS1732B-AT-G</b>	ATEN™ KVM Switch CS1732B-AT-G	2 PORTS	PS/2	VGA (DB15)	Jack 3.5 mm	2-Port USB - PS/2 VGA KVM Switch with Audio & USB 2.0 Hub (KVM Cables included)	<b>148,20 €</b>
	<b>CS1734B-AT-G</b>	ATEN™ KVM Switch CS1734B-AT-G	4 PORTS	PS/2	VGA (DB15)	Jack 3.5 mm	4-Port USB - PS/2 VGA KVM Switch with Audio & USB 2.0 Hub (KVM Cables included)	<b>209,50 €</b>
	<b>CS1762A-AT-G</b>	ATEN™ KVM Switch CS1762A-AT-G	2 PORTS	USB	DVI	Jack 3.5 mm	2-Port USB DVI KVM Switch with Audio & USB 2.0 Hub (KVM Cables included)	<b>204,90 €</b>
	<b>CS1764A-AT-G</b>	ATEN™ KVM Switch CS1764A-AT-G	4 PORTS	USB	DVI	Jack 3.5 mm	4-Port USB DVI KVM Switch with Audio & USB 2.0 Hub (KVM Cables included)	<b>276,40 €</b>
	<b>CS1742C-AT</b>	ATEN™ KVM Switch CS1742C-AT	2 PORTS	USB	VGA (DB15)	Jack 3.5 mm	2-Port USB Dual-View VGA KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>220,30 €</b>
	<b>CS1744C-AT</b>	ATEN™ KVM Switch CS1744C-AT	4 PORTS	USB	VGA (DB15)	Jack 3.5 mm	4-Port USB Dual-View VGA KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>283,20 €</b>
	<b>CS1642A-AT-G</b>	ATEN™ KVM Switch CS1642A-AT-G	2 PORTS	USB	VGA (DB15)	Jack 3.5 mm	2-Port USB DVI Dual-View KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>457,30 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse







### KVM Desktop Switch

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS1644A-AT-G</b>	ATEN™ KVM Switch CS1644A-AT-G	4 PORTS	USB	VGA (DB15)	Jack 3.5 mm	4-Port USB DVI Dual-View KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>648,90 €</b>
	<b>CS1774C-AT-G</b>	ATEN™ KVM Switch CS1774C-AT-G	4 PORTS	USB	VGA (DB15)	Jack 3.5 mm	4-Port USB KVMP with Ethernet Port	<b>263,20 €</b>
	<b>CS1782A-AT-G</b>	ATEN™ KVM Switch CS1782A-AT-G	2 PORTS	USB	DVI	Jack 3.5 mm	2-Port USB DVI Dual Link KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>243,40 €</b>
	<b>CS1784A-AT-G</b>	ATEN™ KVM Switch CS1784A-AT-G	4 PORTS	USB	DVI	Jack 3.5 mm	4-Port USB DVI Dual Link KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>322,00 €</b>
	<b>CS1792-AT-G</b>	ATEN™ KVM Switch CS1792-AT-G	4 PORTS	USB	HDMI	Jack 3.5 mm	2-Port USB HDMI KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>253,40 €</b>
	<b>CS1794-AT-G</b>	ATEN™ KVM Switch CS1794-AT-G	2 PORTS	USB	HDMI	Jack 3.5 mm	4-Port USB HDMI KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>368,00 €</b>
	<b>CS-782DP-AT</b>	ATEN™ KVM Switch CS782DP-AT	2 PORTS	USB	DisplayPort	Jack 3.5 mm	2-Port USB DisplayPort KVM Switch 4K UHD Supported	<b>238,10 €</b>
	<b>CS1942-AT-G</b>	ATEN™ KVM Switch CS1942-AT-G	4 PORTS	USB	DisplayPort	Jack 3.5 mm	2-Port USB Mini DisplayPort Dual-View KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>564,20 €</b>


# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse

### KVM Desktop Switch

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS1944-AT-G</b>	ATEN™ KVM Switch CS1944-AT-G	4 PORTS	USB	DisplayPort	Jack 3.5 mm	4-Port USB Mini DisplayPort Dual-View KVM Switch with Audio & USB 2.0 Hub (KVM cables included)	<b>795,70 €</b>
	<b>CM1164-AT-G</b>	ATEN™ KVM Switch CM1164-AT-G	4 PORTS	USB	DVI-D	Jack 3.5 mm	4-Port Split-Screen KVM Control Center (USB/DVI-D) with USB 2.0 Hub & Audio	<b>1.873,60 €</b>
	<b>CM0264-AT-G</b>	ATEN™ KVM Switch CM0264-AT-G	4 PORTS	USB	DVI/HDMI	Jack 3.5 mm	Combo 4 x 2 USB DVI/HDMI KVM + Audio/Video Switch with,USB 2.0 Hub (KVM cables included)	<b>550,70 €</b>
	<b>CS1182-AT-G</b>	ATEN™ KVM Switch CS1182-AT-G	2 PORTS	USB	DVI-I	Jack 3.5 mm	2-Port USB DVI Secure KVM Switch	<b>514,30 €</b>
	<b>CS1184-AT-G</b>	ATEN™ KVM Switch CS1184-AT-G	4 PORTS	USB	DVI-I	Jack 3.5 mm	4-Port USB DVI Secure KVM Switch	<b>631,90 €</b>
	<b>CS231C-AT-G</b>	ATEN™ KVM Switch CS231C-AT-G	2 PORTS	SPHD-18 (PS/2 + USB)	VGA (DB15)	NO	Computer Sharing Device	<b>235,90 €</b>









### KVM Switches 19" 1U

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS9134Q9-AT-G</b>	ATEN™ KVM Switch CS9134Q9-AT-G	4 PORTS	PS/2	VGA (DB15)	NO	4-Port USB - PS/2 VGA KVM Switch	<b>173,60 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse








### KVM Switches 19" 1U

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS78-AT-G</b>	ATEN™ KVM Switch CS78-AT-G	8 PORTS	PS/2	VGA (DB15)	NO	8-Port PS2 KVM Support PS/2, USB, SUN USB Server	<b>175,60 €</b>
	<b>CS9138Q9-AT-G</b>	ATEN™ KVM Switch CS9138Q9-AT-G	8 PORTS	PS/2	VGA (DB15)	NO	8-Port USB - PS/2 VGA KVM Switch	<b>209,70 €</b>
	<b>CS1754Q9-AT-G</b>	ATEN™ KVM Switch CS1754Q9-AT-G	4 PORTS	PS/2	VGA (DB15)	Jack 3.5 mm	4-Port USB - PS/2 VGA KVM Switch with Audio	<b>255,40 €</b>
	<b>CS1758Q9-AT-G</b>	ATEN™ KVM Switch CS1758Q9-AT-G	8 PORTS	PS/2	VGA (DB15)	Jack 3.5 mm	8-Port USB - PS/2 VGA KVM Switch with Audio	<b>306,60 €</b>
	<b>CS1768-AT-G</b>	ATEN™ KVM Switch CS1768-AT-G	8 PORTS	USB	DVI	Jack 3.5 mm	8-Port USB DVI KVM Switch with Audio	<b>740,70 €</b>
	<b>CS1788-AT-G</b>	ATEN™ KVM Switch CS1788-AT-G	8 PORTS	USB	DVI	Jack 3.5 mm	8-Port USB DVI Dual Link KVM Switch with Audio	<b>1.000,00 €</b>
	<b>CS1798-AT-G</b>	ATEN™ KVM Switch CS1798-AT-G	8 PORTS	USB	HDMI	NO	8-Port USB - HDMI KVM Switch with USB Peripheral port	<b>967,50 €</b>
	<b>CS17916-AT-G</b>	ATEN™ KVM Switch CS17916-AT-G	16 PORTS	USB	HDMI	NO	16-Port USB - HDMI KVM Switch with USB Peripheral port	<b>1.572,10 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse







### KVM Switches 19" 1U

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CS88AQ9-AA-G</b>	ATEN™ KVM Switch CS88AQ9-AA-G	8 PORTS	PS/2	VGA (DB15)	NO	8-Port USB - PS/2 VGA KVM Switch	<b>246,00 €</b>
	<b>CS1208A-AT-G</b>	ATEN™ KVM Switch CS1208A-AT-G	8 PORTS	PS/2	VGA (DB15)	NO	8-Port USB - PS/2 VGA KVM Switch	<b>377,80 €</b>
	<b>CS1308-AT-G</b>	ATEN™ KVM Switch CS1308-AT-G	8 PORTS	PS/2	VGA (DB15)	NO	8-Port USB - PS/2 VGA KVM Switch	<b>238,10 €</b>
	<b>CS1708A-AT-G</b>	ATEN™ KVM Switch CS1708A-AT-G	8 PORTS	SPHD-18 (PS/2 + USB)	VGA (DB15)	NO	8-Port USB - PS/2 VGA KVM Switch with USB Peripheral port	<b>408,70 €</b>
	<b>CS1216A-AT-G</b>	ATEN™ KVM Switch CS1216A-AT-G	16 PORTS	PS/2	VGA (DB15)	NO	16-Port PS/2 VGA KVM Switch	<b>451,20 €</b>
	<b>CS1316-AT-G</b>	ATEN™ KVM Switch CS1316-AT-G	16 PORTS	PS/2	VGA (DB15)	NO	16-Port USB - PS/2 VGA KVM Switch	<b>349,20 €</b>
	<b>CS1716A-AT-G</b>	ATEN™ KVM Switch CS1716A-AT-G	16 PORTS	SPHD-18 (PS/2 + USB)	VGA (DB15)	NO	16-Port USB - PS/2 VGA KVM Switch with USB Peripheral port	<b>510,90 €</b>


# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse

### KVM LCD Console

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CL1000M-ATA-XG</b>	ATEN™ KVM LCD Console CL1000M-ATA-XG	16 PORTS	SPHD-18 (PS/2 + USB)	VGA (SPHD)	NO	17" LCD Console (USB - PS/2 VGA)	<b>900,70 €</b>
	<b>CL1000N-ATA-XG</b>	ATEN™ KVM LCD Console CL1000N-ATA-XG	16 PORTS	SPHD-18 (PS/2 + USB)	VGA (SPHD)	NO	19" LCD Console (USB - PS/2 VGA)	<b>1.071,40 €</b>
	<b>CL5800N-ATA-XG</b>	ATEN™ KVM LCD Console CL5800N-ATA-XG	16 PORTS	PS/2 + USB	VGA (SPHD)	NO	19" LCD Console (USB - PS/2 VGA) with USB Peripheral port (Dual Rail)	<b>1.309,10 €</b>
	<b>CL3000N-ATA-XG</b>	ATEN™ KVM LCD Console CL3000N-ATA-XG	16 PORTS	PS/2 + USB	VGA (DB15)	NO	19" LCD Console (USB - PS/2) (LED)	<b>1.455,60 €</b>
	<b>CL6700N-AT-XG</b>	ATEN™ KVM LCD Console CL6700N-AT-XG	8 PORTS	USB	VGA (DB15) + DVI	Jack 3.5 mm	19" DVI LCD Console (USB)	<b>1.455,60 €</b>
	<b>CL-6700MW-ATA-XG</b>	ATEN™ KVM LCD Console CL6700MW-ATA-XG	8 PORTS	USB	VGA (DB15) + DVI + HDMI	Jack 3.5 mm	17.3" Widescreen DVI/HDMI Full HD LCD Console	<b>1.572,10 €</b>









### KVM LCD Consoles/Switches

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CL5808N-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL5808N-ATA-XG	8 PORTS	PS/2 + USB	VGA (SPHD)	NO	8-Port 19" LCD KVM Switch (USB - PS/2 VGA) with USB Peripheral port (Dual Rail)	<b>1.638,60 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse


### KVM LCD Consoles/Switches

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CL5816N-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL5816N-ATA-XG	16 PORTS	PS/2 + USB	VGA (SPHD)	NO	16-Port 19" LCD KVM Switch (USB - PS/2 VGA) with USB Peripheral port (Dual Rail)	<b>1.762,60 €</b>
	<b>CL5708M-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL5708M-ATA-XG	8 PORTS	PS/2 + USB	VGA (SPHD)	NO	8-Port 17" LCD KVM Switch (USB - PS/2 VGA) with USB Peripheral port	<b>1.436,10 €</b>
	<b>CL5716M-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL5716M-ATA-XG	16 PORTS	PS/2 + USB	VGA (SPHD)	NO	16-Port 17" LCD KVM Switch (USB - PS/2 VGA) with USB Peripheral port	<b>1.563,10 €</b>
	<b>CL1308N-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL1308N-ATA-XG	8 PORTS	PS/2 + USB	VGA (SPHD)	NO	8-Port 19" LCD KVM Switch (USB - PS/2 VGA)	<b>1.360,50 €</b>
	<b>CL1316N-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL1316N-ATA-XG	16 PORTS	PS/2 + USB	VGA (SPHD)	NO	16-Port 19" LCD KVM Switch (USB - PS/2 VGA)	<b>1.547,90 €</b>
	<b>CL5708N-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL5708N-ATA-XG	8 PORTS	PS/2 + USB	VGA (SPHD)	NO	8-Port 19" LCD KVM Switch (USB - PS/2 VGA) with USB Peripheral port	<b>1.535,80 €</b>
	<b>CL5716N-AT-XG</b>	ATEN™ KVM LCD Console/Switch CL5716N-AT-XG	16 PORTS	PS/2 + USB	VGA (SPHD)	NO	16-Port 19" LCD KVM Switch (USB - PS/2 VGA) with USB Peripheral port	<b>1.662,80 €</b>
	<b>CL1008M-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL1008M-ATA-XG	8 PORTS	PS/2 + USB	VGA (SPHD)	NO	8-Port 17" LCD KVM Switch (USB - PS/2 VGA)	<b>1.260,70 €</b>






# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse

### KVM LCD Consoles/Switches

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CL1016M-ATA-XG</b>	ATEN™ KVM LCD Console/Switch CL1016M-ATA-XG	16 PORTS	PS/2 + USB	VGA (SPHD)	NO	16-Port 17" LCD KVM Switch (USB - PS/2 VGA)	<b>1.384,70 €</b>









### KVM Over IP

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CN8000-AT-G</b>	ATEN™ KVM Unit Over IP CN8000-AT-G	1 LOCAL PORT	PS/2 + USB	VGA (SPHD)	NO	Over IP Control unit (KVM + Serial), with Virtual Media Support	<b>593,40 €</b>
	<b>CN8600-AT-G</b>	ATEN™ KVM Unit Over IP CN8600-AT-G	1 LOCAL PORT	PS/2 + USB	DVI	Jack 3.5 mm	Digital Over IP Control unit (KVM + Serial), with Virtual Media Support	<b>903,00 €</b>
	<b>IP8000-AT-G</b>	ATEN™ KVM Unit Over IP IP8000-AT-G	1 LOCAL PORT	USB	VGA (SPHD)	NO	Over IP Control PCI Card (KVM + Power), with Virtual Media Support	<b>323,70 €</b>
	<b>CS1708I-AT-G</b>	ATEN™ KVM Unit Over IP CS1708I-AT-G	8 PORTS	PS/2 + USB	VGA (DB15)	NO	8-Port USB - PS/2 VGA KVM Over IP Switch with USB Peripheral port	<b>779,30 €</b>
	<b>CS1716I-AT-G</b>	ATEN™ KVM Unit Over IP CS1716I-AT-G	16 PORTS	PS/2 + USB	VGA (DB15)	NO	16-Port USB - PS/2 VGA KVM Over IP Switch with USB Peripheral port	<b>921,00 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse









### KVM Extenders

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CE250A-AT-G</b>	ATEN™ KVM Extender CE250A-AT-G	1 LOCAL PORT	PS/2	VGA (DB15)	NO	PS/2 VGA KVM Extender (150m)	<b>250,20 €</b>
	<b>CE252-AT-G</b>	ATEN™ KVM Extender CE252-AT-G	1 LOCAL PORT	PS/2	VGA (DB15)	NO	PS/2 VGA KVM Extender (300m)	<b>494,50 €</b>
	<b>CE350-AT-G</b>	ATEN™ KVM Extender CE350-AT-G	1 LOCAL PORT	PS/2	VGA (DB15)	Jack 3.5 mm	PS/2 VGA KVM Extender with Audio and RS-232 (150m)	<b>444,60 €</b>
	<b>CE370-AT-G</b>	ATEN™ KVM Extender CE370-AT-G	1 LOCAL PORT	PS/2	VGA (DB15)	Jack 3.5 mm	PS/2 VGA KVM Extender with Audio and RS-232 + Deskew (300m)	<b>530,70 €</b>
	<b>CE700A-AT-G</b>	ATEN™ KVM Extender CE700A-AT-G	1 LOCAL PORT	USB	VGA (DB15)	NO	USB VGA KVM Extender (150m)	<b>274,70 €</b>
	<b>CE100-AT-G</b>	ATEN™ KVM Extender CE100-AT-G	1 LOCAL PORT	USB	VGA (DB15)	NO	MINI USB VGA KVM Extender (100m)	<b>186,50 €</b>
	<b>CE800B-AT-G</b>	ATEN™ KVM Extender CE800B-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	USB VGA KVM Extender with Audio and Virtual Media Support (250m)	<b>644,50 €</b>
	<b>CE750-AT-G</b>	ATEN™ KVM Extender CE750-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	USB VGA KVM Extender with Audio and RS-232 (150m)	<b>359,70 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse





### KVM Extenders

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CE770-AT-G</b>	ATEN™ KVM Extender CE770-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	USB VGA KVM Extender with Audio, RS-232 and Deskew (300m)	<b>451,30 €</b>
	<b>CE774-AT-G</b>	ATEN™ KVM Extender CE774-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	Dual View USB / VGA KVM Extender, Audio + RS232	<b>884,30 €</b>
	<b>CE775-AT-G</b>	ATEN™ KVM Extender CE775-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	Dual View USB / VGA KVM Extender + Deskew + Audio + RS232	<b>1.061,20 €</b>
	<b>CE600-AT-G</b>	ATEN™ KVM Extender CE600-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	USB DVI KVM Extender with Audio and RS-232 (60m)	<b>514,40 €</b>
	<b>CE602-AT-G</b>	ATEN™ KVM Extender CE602-AT-G	1 LOCAL PORT	USB	DVI	Jack 3.5 mm	USB DVI Dual Link KVM Extender with Audio and RS-232 (60m)	<b>661,30 €</b>
	<b>CE604-AT-G</b>	ATEN™ KVM Extender CE604-AT-G	1 LOCAL PORT	USB	DVI	Jack 3.5 mm	USB Dual View DVI KVM Extender with Audio and RS-232 (60m)	<b>750,80 €</b>
	<b>CE610-AT-G</b>	ATEN™ KVM Extender CE610-AT-G	1 LOCAL PORT	USB	DVI	NO	USB 2.0 DVI Single Link over 1 CAT5e/6 Cable (100m) KVM Extender with Full USB2.0 support (up to 480Mbps) / HDBaseT	<b>1.282,90 €</b>
	<b>CE680-AT-G</b>	ATEN™ KVM Extender CE680-AT-G	1 LOCAL PORT	USB	DVI	NO	USB DVI Optical Fiber KVM Extender (600m)	<b>1.548,90 €</b>

# 7.6 | KVM SWITCHES AND EQUIPMENTS

## Conmutadores Keyboard, Video & Mouse

### KVM Extenders

	P/N	Model	Ports	Keyboard	Video	Audio	Description	List Price
	<b>CE690-AT-G</b>	ATEN™ KVM Extender CE690-AT-G	1 LOCAL PORT	USB	DVI	NO	USB DVI Optical Fiber KVM Extender (20km)	<b>2.075,00 €</b>
	<b>CE790-AT-G</b>	ATEN™ KVM Extender CE790-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	Digital USB VGA KVM Over LAN Extender with Audio and RS-232 (Transmitter + Receiver)	<b>725,10 €</b>
	<b>CE790R-AT-G</b>	ATEN™ KVM Extender CE790R-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	Digital USB VGA KVM Over LAN Extender with Audio and RS-232 (Receiver)	<b>343,70 €</b>
	<b>CE790T-AT-G</b>	ATEN™ KVM Extender CE790T-AT-G	1 LOCAL PORT	USB	VGA (DB15)	Jack 3.5 mm	Digital USB VGA KVM Over LAN Extender with Audio and RS-232 (Transmitter)	<b>354,60 €</b>



# 8.0 | INDUSTRIAL TAGS

RFID & BLE TRANSPONDERS









# 8.1

## WASTE MANAGEMENT TRANSPONDERS

For integration into waste collection bins

### HID® Bin Tags



	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>701133-102</b>	HID® Bin Tag LF Black	Ø 30.0 x 15.0 mm	125 KHz	800 units	200 units	Each durable Bin Tag transponder offers superior resistance to water, salt mist, mineral oil and petroleum, as well as high tolerance to shock and temperature variations. BLACK - No logo. Chipset Unique 64 bit (DIN 30745), read only. IP67. Operating Temp: -40° to +85° C.	<b>0,96 €</b>
	<b>784104-102Y</b>	HID® Bin Tag LF FDX-b Yellow	Ø 30.0 x 15.0 mm	134.2 KHz	800 units	200 units	Each durable Bin Tag transponder offers superior resistance to water, salt mist, mineral oil and petroleum, as well as high tolerance to shock and temperature variations. YELLOW - No logo. Chipset FDX-B BDE (EN 14803 & DIN 30745) 128 bit, read only. IP67. Operating Temp: -40° to +85° C.	<b>0,96 €</b>
	<b>6B7104-102R</b>	HID® Bin Tag LF HDX Red	Ø 30.0 x 15.0 mm	134.2 KHz	800 units	200 units	Each durable Bin Tag transponder offers superior resistance to water, salt mist, mineral oil and petroleum, as well as high tolerance to shock and temperature variations. RED - No logo. Chipset FDX-B BDE (EN 14803 & DIN 30745) 128 bit, read only. IP67. Operating Temp: -40° to +85° C.	<b>1,28 €</b>
	<b>729103-102B</b>	HID® Bin Tag HF ISO15693 Blue	Ø 30.0 x 15.0 mm	13.56 MHz	800 units	200 units	Each durable Bin Tag transponder offers superior resistance to water, salt mist, mineral oil and petroleum, as well as high tolerance to shock and temperature variations. BLUE - No logo. Chipset ICODE® SLIX 1024 bit EEPROM (ISO 15693, ISO 18000-3, DIN 30745). IP67. Operating Temp: -40° to +85° C.	<b>1,05 €</b>
	<b>698103-002G</b>	HID® Bin Tag UHF Gray (HID®)	Ø 30.0 x 15.0 mm	869-915 MHz	800 units	200 units	Each durable Bin Tag transponder offers superior resistance to water, salt mist, mineral oil and petroleum, as well as high tolerance to shock and temperature variations. GRAY - HID® logo. Chipset Higgs 3 with 96 bit EPC, 512 bit EEPROM. Anti-Collision. IP67. Standard RAIN UHF: UHF EPC C1G2, ISO 18000-6C, DIN 30745. Reading distance: Up to 6.5 ft (2 m), 2W ERP.	<b>1,05 €</b>
	<b>698103-102G</b>	HID® Bin Tag UHF Gray (Blank)	Ø 30.0 x 15.0 mm	869-915 MHz	800 units	200 units	Each durable Bin Tag transponder offers superior resistance to water, salt mist, mineral oil and petroleum, as well as high tolerance to shock and temperature variations. GRAY - No logo. Chipset Higgs 3 with 96 bit EPC, 512 bit EEPROM. Anti-Collision. IP67. Standard RAIN UHF: UHF EPC C1G2, ISO 18000-6C, DIN 30745. Reading distance: Up to 6.5 ft (2 m), 2W ERP.	<b>1,05 €</b>

# 8.1

## WASTE MANAGEMENT TRANSPONDERS

For integration into waste collection bins

### HID® Plug Tags

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>601920-001</b>	HID® Plug Tag LF	Ø 9.0 x 19.0 mm	125 KHz	10.000 units	1.000 units	Automated tracking accelerates waste management processes, and enables pay-as-you-throw and recycling incentive programs, while eliminating error-prone and expensive manual data collection methods historically used for these systems. Chipset Unique 64 bit, read only. IP68. Operating Temp: -20° to +85° C. Color: Black.	<b>1,35 €</b>
	<b>684921-002</b>	HID® Plug Tag FDX-b BDE	Ø 9.0 x 19.0 mm	134.2 KHz	10.000 units	1.000 units	Automated tracking accelerates waste management processes, and enables pay-as-you-throw and recycling incentive programs, while eliminating error-prone and expensive manual data collection methods historically used for these systems. Chipset FDX-B BDE (EN 14803, ISO 11785) 128 bit, read only. IP68. Operating Temp: -20° to +85° C. Color: Black.	<b>1,38 €</b>

# 8.2

## ANIMAL IDENTIFICATION TRANSPONDERS

To be embedded into any surface, making them ideal for tracking any form of asset

### HID® Glass Tags

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>601201-002</b>	HID® Glass Tag LF Unique 12mm	3 x 13 mm	125 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C.	<b>1,30 €</b>
	<b>601203</b>	HID® Glass Tag LF Unique 13mm	4 x 22 mm	125 KHz	1.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C.	<b>1,28 €</b>
	<b>601209</b>	HID® Glass Tag LF Unique 22mm	2.12 x 9 mm	125 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C.	<b>1,39 €</b>
	<b>612201</b>	HID® Glass Tag LF Q5 12mm	2.12 x 9 mm	125 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Q5 (264 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	<b>1,35 €</b>
	<b>612203</b>	HID® Glass Tag LF Q5 13mm	3.15 x 13.3 mm	125 KHz	1.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Q5 (264 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	<b>1,33 €</b>
	<b>602203</b>	HID® Glass Tag LF Titan	3.15 x 13.3 mm	125 KHz	1.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Titan (1024 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	<b>1,68 €</b>
	<b>603200</b>	HID® Glass Tag LF Nova	3.15 x 13.3 mm	125 KHz	1.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Nova (160 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	<b>1,60 €</b>
	<b>684294</b>	HID® Glass Tag LF Mini	1.4 x 8 mm	125 KHz	5.000 units	5.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: EM4305 (512 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	<b>1,43 €</b>

# 8.2

## ANIMAL IDENTIFICATION TRANSPONDERS

To be embedded into any surface, making them ideal for tracking any form of asset

### HID® Glass Tags


	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	684295	HID® Glass Tag LF Mini Custom	1.4 x 8 mm	125 KHz	5.000 units	5.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: EM4305 (512 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags). Custom programmed.	1,43 €
	623201	HID® Glass Tag LF Hitag S 12mm	2.12 x 12 mm	125 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Hitag S (256 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	1,33 €
	623203	HID® Glass Tag LF Hitag S 13mm	3.15 x 13.3 mm	125 KHz	1.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Hitag S (256 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	1,30 €
	623209	HID® Glass Tag LF Hitag S 22mm	4 x 22 mm	125 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Hitag S. Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	1,41 €
	624201	HID® Glass Tag LF Hitag S 12mm	2.12 x 12 mm	125 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Hitag S (2048 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	1,63 €
	624203	HID® Glass Tag LF Hitag S 13mm	3.15 x 13.3 mm	125 KHz	1.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Hitag S (2048 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009; EN 60079-11:2007; EN 60079-26:2007 (all glass tags).	1,60 €
	684244	HID® Glass Tag LF FDX-B 13mm	3 x 13 mm	134.2 KHz	10.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: FDX-b BDE (EN14803) (128 bit read-only). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C.	1,29 €
	628230	HID® Glass Tag LF FDX-B Ultra	2.12 x 9 mm	134.2 KHz	3.000 units	3.000 units	Transponders 134.2 kHz. Can be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: EM 4305 with 512 bit EEPROM (Ultra - increased read range). Reading Distance: Up to 35% more than standard tag of same size. IP68. Operating Temp: -25° to +85° C.	1,40 €

# 8.2

## ANIMAL IDENTIFICATION TRANSPONDERS

To be embedded into any surface, making them ideal for tracking any form of asset

### HID® Glass Tags

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>628232</b>	HID® Glass Tag LF FDX-B Ultra Custom	2.12 x 9 mm	134.2 KHz	3.000 units	3.000 units	Transponders 134.2 kHz. Can be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: EM 4305 with 512 bit EEPROM (Ultra - increased read range). Reading Distance: Up to 35% more than standard tag of same size. IP68. Operating Temp: -25° to +85° C. Custom programmed.	<b>1,40 €</b>
	<b>684280</b>	HID® Glass Tag LF FDX-B	2.12 x 12.5 mm	134.2 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: EM 4305 with 512 bit EEPROM (Ultra - increased read range). Reading Distance: Up to 35% more than standard tag of same size. IP68. Operating Temp: -25° to +85° C.	<b>1,38 €</b>
	<b>684282</b>	HID® Glass Tag LF FDX-B	2.12 x 12.5 mm	134.2 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: EM 4305 with 512 bit EEPROM (Ultra - increased read range). Reading Distance: Up to 35% more than standard tag of same size. IP68. Operating Temp: -25° to +85° C. Custom programmed.	<b>1,38 €</b>
	<b>6B7250</b>	HID® Glass Tag LF HDX No Prog	3.85 x 22.5 mm	134.2 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: HDX SIC279 with 128 bit read-only (SIC7999). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Unprogrammed.	<b>1,61 €</b>
	<b>6B7252-001</b>	HID® Glass Tag LF HDX BDE	3.85 x 22.5 mm	134.2 KHz	2.000 units	2.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: HDX SIC279 with 128 bit read-only (SIC7999). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C.	<b>1,67 €</b>
	<b>6B7252</b>	HID® Glass Tag LF HDX BDE Custom	3.85 x 22.5 mm	134.2 KHz	10.000 units	10.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: HDX SIC279 with 128 bit read-only (SIC7999). Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Custom programmed.	<b>1,67 €</b>
	<b>6B7260</b>	HID® Glass Tag LF HDX No Prog	3.85 x 32 mm	134.2 KHz	2.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: HDX SIC279 with 128 bit read-only (SIC7999), unprogrammed. Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Unprogrammed.	<b>1,69 €</b>
	<b>6B7262-001</b>	HID® Glass Tag LF HDX BDE	3.85 x 22.5 mm	134.2 KHz	2.000 units	1.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: HDX SIC279 with 128 bit read-only (SIC7999), unprogrammed. Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Programmed.	<b>1,76 €</b>

# 8.2

## ANIMAL IDENTIFICATION TRANSPONDERS

To be embedded into any surface, making them ideal for tracking any form of asset

### HID® Glass Tags



	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6B7262</b>	HID® Glass Tag LF HDX BDE Custom	3.85 x 22.5 mm	134.2 KHz	10.000 units	10.000 units	Transponders to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: HDX SIC279 with 128 bit read-only (SIC7999), unprogrammed. Reading Distance: Dependent upon reader, environment and application. IP68. Operating Temp: -25° to +85° C. Custom programming.	<b>1,76 €</b>
	<b>6B0201</b>	HID® Glass Tag HF VIGO 12mm	2 x 12 mm	13.56 MHz	2.000 units	2.000 units	Transponders ISO/IEC 15693 - NFC-V Forum Type 5 to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Vigo 1.6k (1664 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: ISO 15693, ISO 18000-3.	<b>1,47 €</b>
	<b>6B0203</b>	HID® Glass Tag HF VIGO 13mm	3 x 13 mm	13.56 MHz	1.000 units	1.000 units	Transponders ISO/IEC 15693 - NFC-V Forum Type 5 to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: Vigo 1.6k (1664 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: ISO 15693, ISO 18000-3.	<b>1,44 €</b>
	<b>629209</b>	HID® Glass Tag HF ICODE® SLIX	4 x 22 mm	13.56 MHz	1.200 units	300 units	Transponders ISO/IEC 15693 - NFC-V Forum Type 5 to be embedded into custom housings and mounted on virtually any surface, such as metal, plastic, wood, paper and water, making them ideal for tracking any form of asset. Chip Type: ICODE® SLIX with 1024 bit EEPROM (896 bit user). Reading Distance: Dependent upon reader, environment and application. IP68. Anti-collision. Operating Temp: -25° to +85° C. Standards: ISO 15693, ISO 18000-3.	<b>1,66 €</b>

# 8.3






## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® E-Unit Tags

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>629601</b>	HID® e-Modules HF ICODE® SLIX	14.5 x 0.9 mm	13.56 MHz	10.000 units	2.000 units	High frequency coils ideal for key fobs and similar simple applications. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading distance: Dependent upon reader, environment and application. Operating Temp: -25° to +85° C. Standards: ISO 15693, ISO 18000-3.	<b>0,98 €</b>
	<b>685641</b>	HID® e-Modules HF ICODE® SLIL	12.5 x 1.0 mm	13.56 MHz	10.000 units	2.000 units	High frequency coils ideal for key fobs and similar simple applications. Chip Type: ICODE® SLIL (1024 bit EEPROM). Anti-collision. Reading distance: Dependent upon reader, environment and application. Operating Temp: -25° to +85° C. Standards: ISO 15693, ISO 18000-3.	<b>1,03 €</b>

### HID® Logi Tag™








	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>601115</b>	HID® Logi Tag™ LF Unique	Ø: 12 mm	125 KHz	2.500 units	2.500 units	Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Unique (64 bit read-only). Black. IP68. Operating Temp: -40° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001.	<b>1,34 €</b>
	<b>612115</b>	HID® Logi Tag™ LF Q5	Ø: 12 mm	125 KHz	2.500 units	2.500 units	Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Q5 (264 bit EEPROM). Black. IP68. Operating Temp: -40° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001.	<b>1,40 €</b>
	<b>624115</b>	HID® Logi Tag™ LF Hitag S	Ø: 12 mm	125 KHz	2.500 units	2.500 units	Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Hitag S (2048 bit EEPROM). Anti-Collision. Black. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001.	<b>1,98 €</b>
	<b>601106</b>	HID® Logi Tag™ LF Unique 160mm	Ø: 16 mm	125 KHz	2.000 units	2.000 units	Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Unique (64 bit read-only). Black. IP68. Operating Temp: -40° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001.	<b>1,44 €</b>
	<b>6A9081-010</b>	HID® Logi Tag™ HF VIGO 1K	Ø: 8.1 mm	13.56 MHz	5.000 units	5.000 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: VIGO (64 bit UID, 1024 bit EEPROM). Anti-Collision. Black. IP68. Operating Temp: -40° to +90° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>1,07 €</b>

# 8.3

## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® Logi Tag™





	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6B0081-010</b>	HID® Logi Tag™ HF VIGO 1.6K	Ø: 8.1 mm	13.56 MHz	5.000 units	5.000 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Vigo 1.6K. Anti-Collision. Black. IP68. Operating Temp: -40° to +90° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>1,09 €</b>
	<b>6A9121-010</b>	HID® Logi Tag™ HF VIGO	Ø: 12.1 mm	13.56 MHz	2.500 units	2.500 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Vigo (64 bit UID, 1024 bit EEPROM). Anti-Collision. Black. IP68. Operating Temp: -40° to +90° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>1,07 €</b>
	<b>6A9121-310</b>	HID® Logi Tag™ HF VIGO OM	Ø: 12.1 mm	13.56 MHz	2.500 units	2.500 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: Vigo (64 bit UID, 1024 bit EEPROM). On Metal. Anti-Collision. Black. IP68. Operating Temp: -40° to +90° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>1,20 €</b>
	<b>629121-010</b>	HID® Logi Tag™ HF ICODE® SLIX	Ø: 12.1 mm	13.56 MHz	2.500 units	2.500 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: ICODE® SLIX (1024 bit EEPROM, 896 bit user memory). Anti-Collision. White. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>1,09 €</b>
	<b>629121-310</b>	HID® Logi Tag™ HF ICODE® SLIX OM	Ø: 12.1 mm	13.56 MHz	2.500 units	2.500 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: ICODE® SLIX (1024 bit EEPROM, 896 bit user memory). On Metal. Anti-Collision. White. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>1,23 €</b>
	<b>629108-400</b>	HID® Logi Tag™ HF 161	Ø: 16.1 mm	13.56 MHz	2.000 units	2.000 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: ICODE® SLIX (1024 bit EEPROM, 896 bit user memory). On Metal. Anti-Collision. White. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>0,72 €</b>
	<b>685110-400</b>	HID® Logi Tag™ HF 161 Button	Ø: 16.2 mm	13.56 MHz	2.000 units	2.000 units	ISO/IEC 15693 - NFC-V Forum Type 5 transponders. Logi Tag discs are compliant with standard RFID readers and modules, and are ATEX certified for safe use in potentially explosive environments. Chip Type: ICODE® SLIL (512 bit EEPROM, 256 bit user memory). On Metal. Anti-Collision. White. IP68. Operating Temp: -25° to +85° C. Standards: EN 60079-0:2009, EN 60079-11:2007, EN 50303:2001 ISO 15693, ISO 18000-3.	<b>0,81 €</b>

# 8.3



## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® Poly Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	601131	HID® Poly Tag LF	Ø: 34.0 mm	125 KHz	800 units	800 units	Poly Tag devices are housed in field-proven, high-impact PA6. This nylon thermoplastic shell absorbs the daily bumps and jolts of industrial environments, while protecting the electronics within. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. Black. IP67. Operating Temp: -25° to +85° C (Peak: 100° C).	1,66 €
	623131	HID® Poly Tag LF Hitag S	Ø: 34.0 mm	125 KHz	10.000 units	800 units	Poly Tag devices are housed in field-proven, high-impact PA6. This nylon thermoplastic shell absorbs the daily bumps and jolts of industrial environments, while protecting the electronics within. Chip Type: Hitag S (2048 bit EEPROM). Anti-Collision. Reading Distance: Dependent upon reader, environment and application. Black. IP67. Operating Temp: -25° to +85° C (Peak: 130° C).	1,70 €
	629131	HID® Poly Tag HF	Ø: 34.0 mm	13.56 MHz	800 units	800 units	Poly Tag devices are housed in field-proven, high-impact PA6. This nylon thermoplastic shell absorbs the daily bumps and jolts of industrial environments, while protecting the electronics within. Transponders ISO/IEC 15693 - NFC-V Forum Type 5. Chip Type: ICODE® SLIX with 1024 bit EEPROM (896 bit user memory). Reading Distance: Dependent upon reader, environment and application. Black. IP67. Operating Temp: -25° to +85° C (Peak: 130° C). HID® logo.	1,71 €
	629131-010	HID® Poly Tag HF Blank	Ø: 34.0 mm	13.56 MHz	3.200 units	800 units	Poly Tag devices are housed in field-proven, high-impact PA6. This nylon thermoplastic shell absorbs the daily bumps and jolts of industrial environments, while protecting the electronics within. Transponders ISO/IEC 15693 - NFC-V Forum Type 5. Chip Type: ICODE® SLIX with 1024 bit EEPROM (896 bit user memory). Reading Distance: Dependent upon reader, environment and application. Black. IP67. Operating Temp: -25° to +85° C (Peak: 130° C). No logo.	1,71 €

### HID® Volcano Tag™









	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	601170	HID® Volcano Tag™ LF Unique	Ø: 26.1 mm	125 KHz	3.200 units	800 units	Volcano Tag™ RFID transponders are built for reliable performance in high-heat conditions. For RFID applications where tags must perform before, amidst or following extreme heat exposure, Volcano Tag discs withstand peak temperatures up to 392° F (200° C). Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. Black. IP68.	1,78 €
	612170	HID® Volcano Tag™ LF Q5	Ø: 26.1 mm	125 KHz	3.200 units	800 units	Volcano Tag™ RFID transponders are built for reliable performance in high-heat conditions. For RFID applications where tags must perform before, amidst or following extreme heat exposure, Volcano Tag discs withstand peak temperatures up to 392° F (200° C). Chip Type: Q5 (264 bit EEPROM). Reading Distance: Dependent upon reader, environment and application. Black. IP68.	1,85 €

# 8.3

## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® Iron Tag







	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	698901	HID® IronTag® UHF 176 EU	53 x 23 x 7 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Higgs 3 with 512 bit (96 bit EPC, 64 bit TID). EU. Anti-Collision. Reading Distance: Up to 13.1 ft (4 m), on-metal. Black. IP68, IP69K. Flame resistance: UL 94 HB. HID® logo.	3,00 €
	698901-010	HID® IronTag® UHF 176 EU No Logo	53 x 23 x 7 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Higgs 3 with 512 bit (96 bit EPC, 64 bit TID). EU. Anti-Collision. Reading Distance: Up to 13.1 ft (4 m), on-metal. Black. IP68, IP69K. Flame resistance: UL 94 HB. No logo.	3,00 €
	698902	HID® IronTag® UHF 176 US	53 x 23 x 7 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Higgs 3 with 512 bit (96 bit EPC, 64 bit TID). US. Anti-Collision. Reading Distance: Up to 13.1 ft (4 m), on-metal. Black. IP68, IP69K. HID® logo.	3,00 €
	698902-010	HID® IronTag® UHF 176 US No Logo	53 x 23 x 7 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Higgs 3 with 512 bit (96 bit EPC, 64 bit TID). US. Anti-Collision. Reading Distance: Up to 13.1 ft (4 m), on-metal. Black. IP68, IP69K. Flame resistance: UL 94 HB. No logo.	3,00 €
	698901-001	HID® IronTag® Sticker UHF 176 EU	53 x 23 x 7 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Higgs 3 with 512 bit (96 bit EPC, 64 bit TID) + Sticker. EU. Anti-Collision. Reading Distance: Up to 13.1 ft (4 m), on-metal. Black. IP68, IP69K. Flame resistance: UL 94 HB.	3,29 €
	698902-001	HID® IronTag® Sticker UHF 176 US	34 x 31 x 5.8 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Higgs 3 with 512 bit (96 bit EPC, 64 bit TID) + Sticker. US. Anti-Collision. Reading Distance: Up to 13.1 ft (4 m), on-metal. Black. IP68, IP69K. Flame resistance: UL 94 HB.	3,29 €
	6D2903	HID® IronTag® UHF 206 EU 2k	34 x 31 x 5.8 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (2176 bit). EU. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	3,27 €
	6D2904	HID® IronTag® UHF 206 US 2k	34 x 31 x 5.8 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (2176 bit). US. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	3,27 €

# 8.3


## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® Iron Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6D2903-001</b>	HID® IronTag® UHF 206 EU 2k Sticker VHB	34 x 31 x 5.8 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (2176 bit) + Sticker VHB. EU. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	<b>3,59 €</b>
	<b>6D2904-001</b>	HID® IronTag® UHF 206 US 2k Sticker VHB	34 x 31 x 5.8 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (2176 bit) + Sticker VHB. US. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	<b>3,59 €</b>
	<b>6D3903</b>	HID® IronTag® UHF 206 EU 8k	34 x 31 x 5.8 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (8192 bit). EU. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	<b>3,71 €</b>
	<b>6D3904</b>	HID® IronTag® UHF 206 US 8k	34 x 31 x 5.8 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (8192 bit). US. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	<b>3,71 €</b>
	<b>6D3903-001</b>	HID® IronTag® UHF 206 EU 8k Sticker VHB	34 x 31 x 5.8 mm	869 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (8192 bit) + Sticker VHB. EU. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	<b>4,01 €</b>
	<b>6D3904-001</b>	HID® IronTag® UHF 206 US 8k Sticker VHB	34 x 31 x 5.8 mm	915 MHz	1.000 units	250 units	Transponders designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. They are waterproof, resist high-pressure/high-temperature washing and withstand exposure to fuels, oils, salt water and ultraviolet light. Chip Type: Monza X (8192 bit) + Sticker VHB. US. Anti-Collision. Reading Distance: Up to 8.2 ft (2.5 m), on-metal. Black. IP67. Flame resistance: UL 94 V0.	<b>4,01 €</b>


### High Temperature Label UHF

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6A7902</b>	High Temperature Label UHF	80 x 50 mm	UHF 869-915 MHz	3.200 units	800 units	Chip Type: Monza 4 (128 bit EPC + 96 bit TID + 512 bit EEPROM). Anti-Collision. Reading Distance: Up to 26.2 ft (8 m). Beige. IP68. Flame Resistance: UL 94V-0. Operating Temp.: -40° to +85° C. Peak: 230° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Options: Laser imprinting; encoding; self-adhesive; alternate form factors.	<b>1,92 €</b>

# 8.3 | AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

## HID® IN Tag™

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	601182	HID® IN Tag™ LF 200 Unique	Ø 20 mm	125 KHz	1.500 units	1.500 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	1,51 €
	601183	HID® IN Tag™ LF 300 Unique	Ø 30 mm	125 KHz	750 units	750 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	1,54 €
	601185	HID® IN Tag™ LF 500 Unique	Ø 50 mm	125 KHz	500 units	250 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Unique (64 bit read-only). Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	1,76 €
	623182	HID® IN Tag™ LF 200 Hitag S	Ø 20 mm	125 KHz	1.500 units	1.500 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Hitag S 256 bit EEPROM. Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	1,57 €
	623183	HID® IN Tag™ LF 300 Hitag S 256	Ø 30 mm	125 KHz	1.500 units	750 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Hitag S 256 bit EEPROM. Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	1,59 €
	624183	HID® IN Tag™ LF 300 Hitag S 2048	Ø 30 mm	125 KHz	1.500 units	750 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Hitag S 2048 bit EEPROM. Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	2,21 €
	624185	HID® IN Tag™ LF 500 Hitag S 2048	Ø 50 mm	125 KHz	1.000 units	250 units	Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: Hitag S 2048 bit EEPROM. Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	2,58 €
	629182	HID® IN Tag™ HF 200 ICODE® SLIX	Ø 20 mm	13.56 MHz	1.500 units	1.500 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	1,57 €

# 8.3

## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® IN Tag™

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>629182-010</b>	HID® IN Tag™ HF 200 ICODE® SLIX (No Logo)	Ø 20 mm	13.56 MHz	1.500 units	1.500 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>1,57 €</b>
	<b>629183</b>	HID® IN Tag™ HF 300 ICODE® SLIX	Ø 30 mm	13.56 MHz	750 units	750 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	<b>1,61 €</b>
	<b>629183-010</b>	HID® IN Tag™ HF 300 ICODE® SLIX (No Logo)	Ø 30 mm	13.56 MHz	750 units	750 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>1,61 €</b>
	<b>629185</b>	HID® IN Tag™ HF 500 ICODE® SLIX	Ø 50 mm	13.56 MHz	1.000 units	250 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	<b>1,96 €</b>
	<b>629185-010</b>	HID® IN Tag™ HF 500 ICODE® SLIX (No Logo)	Ø 50 mm	13.56 MHz	1.000 units	250 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>1,96 €</b>
	<b>629185-300</b>	HID® IN Tag™ HF 500 OM ICODE® SLIX	Ø 50 x 13 mm	13.56 MHz	1.000 units	200 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). On Metal. Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C.	<b>2,25 €</b>
	<b>629185-301</b>	HID® IN Tag™ HF 500 OM ICODE® SLIX (No Logo)	Ø 50 x 13 mm	13.56 MHz	1.000 units	200 units	Transponders HF ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: ICODE® SLIX (1024 bit EEPROM). On Metal. Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>2,25 €</b>
	<b>634182</b>	HID® IN Tag™ HF 200 F-MEM 2K	Ø 20 mm	13.56 MHz	1.500 units	1.500 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (2 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>2,85 €</b>

# 8.3

## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® IN Tag™



	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>634182-010</b>	HID® IN Tag™ HF 200 F-MEM 2K (No Logo)	Ø 20 mm	13.56 MHz	1.500 units	1.500 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (2 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>2,85 €</b>
	<b>634183</b>	HID® IN Tag™ HF 300 F-MEM 2K	Ø 30 mm	13.56 MHz	1.500 units	750 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (2 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>2,93 €</b>
	<b>634183-010</b>	HID® IN Tag™ HF 300 F-MEM 2K (No Logo)	Ø 30 mm	13.56 MHz	1.500 units	750 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (2 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>2,93 €</b>
	<b>634185</b>	HID® IN Tag™ HF 500 2K F-MEM	Ø 50 mm	13.56 MHz	10.000 units	250 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (2 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>3,12 €</b>
	<b>634185-010</b>	HID® IN Tag™ HF 500 F-MEM 2K (No Logo)	Ø 50 mm	13.56 MHz	500 units	250 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (2 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. No HID® logo.	<b>3,12 €</b>
	<b>6D1183-010</b>	HID® IN Tag™ HF 300 F-MEM 8K	Ø 30 mm	13.56 MHz	1.500 units	750 units	Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: F-Mem (8 Kbyte FRAM). Anti-collision. Reading Distance: Dependent upon reader, environment and application. Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>8,51 €</b>
	<b>6E5185-010</b>	HID® IN Tag™ UHF 500 EU (UCODE G2IM)	Ø 50 x 13 mm	865 MHz	10.000 units	250 units	Transponders UHF 865-869 MHz. For EU market. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: UCODE G2XM-G2IM with 512 bit EEPROM (64 bit TID, 240 bit EPC). Anti-collision. Reading Distance: Up to 9.8 ft (3 m). Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>2,89 €</b>
	<b>6E5186-010</b>	HID® IN Tag™ UHF 500 US (UCODE G2IM)	Ø 50 mm	915 MHz	10.000 units	250 units	Transponders UHF 915 MHz. For US market. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: UCODE G2XM-G2IM with 512 bit EEPROM (64 bit TID, 240 bit EPC). Anti-collision. Reading Distance: Up to 9.8 ft (3 m). Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>2,89 €</b>

# 8.3

## AUTOMATION & MANUFACTURING TRANSPONDERS

Mechanical, chemical and temperature resistance for harsh environments

### HID® IN Tag™






	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6E5185-310</b>	HID® IN Tag™ UHF 500 EU OM (UCODE G2IM)	Ø 55 x 13 mm	865 MHz	10.000 units	50 units	Transponders UHF 865-869 MHz. For EU market. ON METAL. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: UCODE G2XM-G2IM with 512 bit EEPROM (64 bit TID, 240 bit EPC). Anti-collision. Reading Distance: Up to 9.8 ft (3 m). Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>3,28 €</b>
	<b>6E5186-310</b>	HID® IN Tag™ UHF 500 US OM (UCODE G2IM)	Ø 55 x 13 mm	915 MHz	10.000 units	50 units	Transponders UHF 915 MHz. For US market. ON METAL. Ruggedized for severe industrial environments and also available for metal mounting. Chip Type: UCODE G2XM-G2IM with 512 bit EEPROM (64 bit TID, 240 bit EPC). Anti-collision. Reading Distance: Up to 9.8 ft (3 m). Black. IP68, IP69K. Operating Temp: -25° to +85° C. Peak: 140° C. HID® logo.	<b>3,28 €</b>

# 8.4

## RETURNABLE TRANSPORT ITEMS TRANSPONDERS

The most advanced general-purpose tags available, ideal for distribution and delivery





### HID® InLine Tag™ Ultra

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6F1987-102</b>	HID® InLine Tag™ Ultra Mini	60 x 18 x 8 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza R6 (96 bit EPC + 48 bit TID). Anti-Collision. Screwable, flat. Reading Distance: Up to 9.8 ft (3 m). Gray. No Logo. IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>1,76 €</b>
	<b>6A7980</b>	HID® InLine Tag™ Ultra Blue	97 x 27 x 15 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Screwable, flat. Blue HID® logo. Reading Distance: Up to 26.2 ft (8 m). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,04 €</b>
	<b>6A7980-100</b>	HID® InLine Tag™ Ultra Blue No Logo	97 x 27 x 15 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Screwable, flat. Blue No logo. Reading Distance: Up to 26.2 ft (8 m). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,04 €</b>
	<b>6A7980-102</b>	HID® InLine Tag™ Ultra Gray No Logo	97 x 27 x 15 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Screwable, flat. Gray No logo. Reading Distance: Up to 26.2 ft (8 m). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,04 €</b>
	<b>6A7983</b>	HID® InLine Tag™ Ultra Slim	97 x 27 x 10 mm	UHF 860-960 MHz	360 units	360 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Screwable, flat. Gray No logo. Reading Distance: Up to 16.4 ft (5 m). Slim (9 mm height). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,04 €</b>
	<b>6A7981</b>	HID® InLine Tag™ Ultra Weld Blue Logo	105 x 35 x 15 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Blue HID® logo. Reading Distance: Up to 26.2 ft (8 m). Ultra Weld (flat + steel ring). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,44 €</b>
	<b>6A7981-100</b>	HID® InLine Tag™ Ultra Weld Blue No Logo	105 x 35 x 15 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Blue No logo. Reading Distance: Up to 26.2 ft (8 m). Ultra Weld (flat + steel ring). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,44 €</b>
	<b>6A7981-102</b>	HID® InLine Tag™ Ultra Weld Gray No Logo	105 x 35 x 15 mm	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Gray No logo. Reading Distance: Up to 26.2 ft (8 m). Ultra Weld (flat + steel ring). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,44 €</b>



# 8.4 | RETURNABLE TRANSPORT ITEMS TRANSPONDERS

The most advanced general-purpose tags available, ideal for distribution and delivery

## HID® InLine Tag™ Ultra

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6A7984</b>	HID® InLine Tag™ Ultra Slim Weld	105 x 35 x 10 mm	UHF 860-960 MHz	360 units	360 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Blue No logo. Reading Distance: Up to 16.4 ft (5 m). Slim (9 mm height). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,44 €</b>
	<b>6A7982</b>	HID® InLine Tag™ Ultra Curve	88 x 37 x 14.5 mm, 450 mm curve radius	UHF 860-960 MHz	240 units	240 units	The most advanced general-purpose RAIN® UHF tags available. Chip Type: Monza 4QT (128 bit EPC + 96 bit TID + 512 bit user memory). Anti-Collision. Blue HID® logo. Reading Distance: Up to 26.2 ft (8 m). Ultra Curve (curved + steel ring). IP68, IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9.	<b>2,44 €</b>
	<b>7A3900</b>	HID® InLine Tag™ Plate EU	120 x 68 x 3.7 mm (Plate)	UHF 860-960 MHz	240 units	60 units	These transponders are the most advanced general-purpose RAIN® UHF (860-960 MHz in air. 869 MHz on Metal) tags available. Chip Type: Monza 3 (96 bit EPC + 64 bit TID). Anti-Collision. Reading Distance: Up to 26 ft (8 m) off-metal; 20 ft (6 m) on-metal. IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364. MOQ: 240 units.	<b>2,40 €</b>
	<b>6C698B</b>	HID® InLine Tag™ Plate US	120 x 68 x 3.7 mm (Plate)	UHF 860-960 MHz	240 units	60 units	These transponders are the most advanced general-purpose RAIN® UHF (860-960 MHz in air. 915 MHz on Metal) tags available. Chip Type: Monza 4E (496 bit EPC + 96 bit TID + 128 bit user). Anti-Collision. Reading Distance: Up to 23 ft (7 m) off-metal; 18 ft (5.5 m) on-metal. IP69K. Operating Temp: -40° to +85° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364.	<b>2,40 €</b>


## HID® Keg Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6C6985</b>	HID® Keg Tag UHF EU	33 x 40 x 9 mm; 75 mm curve radius	869 MHz	1.000 units	1.000 units	HID® UHF Keg Tag devices allow accurate accounting of entire pallets – even full truckloads – of containers in seconds. Chip Type: Monza 4E (496 bit EPC, 96 bit TID, 128 bit EEPROM). Blue no logo. Reading Distance: Up to 19.6 ft (6 m). IP69K. IEC 62262-IK07. IP68. Operating Temperature: -40° to +80° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364.	<b>2,04 €</b>
	<b>6C6986</b>	HID® Keg Tag UHF US	33 x 40 x 9 mm; 75 mm curve radius	915 MHz	1.000 units	1.000 units	HID® UHF Keg Tag devices allow accurate accounting of entire pallets – even full truckloads – of containers in seconds. Chip Type: Monza 4E (496 bit EPC, 96 bit TID, 128 bit EEPROM). Blue no logo. Reading Distance: Up to 19.6 ft (6 m). IP69K. IEC 62262-IK07. IP68. Operating Temperature: -40° to +80° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364.	<b>2,04 €</b>

# 8.4 | RETURNABLE TRANSPORT ITEMS TRANSPONDERS

The most advanced general-purpose tags available, ideal for distribution and delivery








## HID® Nail Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	601901	HID® Nail Tag	Ø 4 x 35.5 mm	125 KHz	2.000 units	2.000 units	Transponders 125 kHz. Easily inserts into wood. Chip Type: Unique (64 bit read-only). Black. Size: Ø 4 x 35.5 mm. IP67. Operating Temperature: -25° to +85° C. Standards: ISO 17364.	1,70 €

# 8.5 | LAUNDRY TRANSPONDERS

Ruggedized for severe industrial environments

## HID® SlimFlex™ and LinTAG™ Laundry

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>698992</b>	HID® SlimFlex™ Tag UHF Laundry 2G	55 x 12 x 2.2 mm	UHF 869-915 MHz	1.500 units	1.500 units	Flexible transponders UHF 869-915 MHz. Chip type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). Yellow. Reading distance: Up to 16.4 ft (5 m). IP68. IEC 62262-IK06. Operating Temperature: -40° to +70° C. Peak: 220° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Laser engraving to be offered separately.	<b>1,15 €</b>
	<b>6B6993</b>	HID® LinTag™ UHF Embed EU	50 x 16 mm	869 MHz	5.000 units	1.000 units	Flexible transponders UHF 869-915 MHz. White. Chip type: NXP UCODE G2IL (128 bit EPC, 64 bit TID). Anti-Collision. Reading Distance: Up to 10 ft (3 m). EU - 869MHz Embed. Operating Temp.: -40° to +85° C. Peak: 120 °C.	<b>0,99 €</b>
	<b>6B6994</b>	HID® LinTag™ UHF Embed US	48 x 16 mm	915 MHz	5.000 units	1.000 units	Flexible transponders UHF 869-915 MHz. White. Chip type: NXP UCODE G2IL (128 bit EPC, 64 bit TID). Anti-Collision. Reading Distance: Up to 10 ft (3 m). US - 915MHz Embed. Operating Temp.: -40° to +85° C. Peak: 120 °C.	<b>0,99 €</b>
	<b>6B6995</b>	HID® LinTag™ UHF Stitch EU	50 x 22 mm	869 MHz	5.000 units	1.000 units	Flexible transponders UHF 869-915 MHz. White. Chip type: NXP UCODE G2IL (128 bit EPC, 64 bit TID). Anti-Collision. Reading Distance: Up to 10 ft (3 m). EU - 869MHz Stitch. Operating Temp.: -40° to +85° C. Peak: 120 °C.	<b>0,99 €</b>
	<b>6B6996</b>	HID® LinTag™ UHF Stitch US	48 x 22 mm	915 MHz	5.000 units	1.000 units	Flexible transponders UHF 869-915 MHz. White. Chip type: NXP UCODE G2IL (128 bit EPC, 64 bit TID). Anti-Collision. Reading Distance: Up to 10 ft (3 m). US - 915MHz Stitch. Operating Temp.: -40° to +85° C. Peak: 120 °C.	<b>0,99 €</b>
	<b>6B6997</b>	HID® LinTag™ UHF Heat-seal EU	50 x 16 mm	869 MHz	5.000 units	1.000 units	Flexible transponders UHF 869-915 MHz. White. Chip type: NXP UCODE G2IL (128 bit EPC, 64 bit TID). Anti-Collision. Reading Distance: Up to 10 ft (3 m). EU - 869MHz Heat-seal. Operating Temp.: -40° to +85° C. Peak: 120 °C.	<b>0,99 €</b>
	<b>6B6998</b>	HID® LinTag™ UHF Heat-seal US	48 x 16 mm	915 MHz	5.000 units	1.000 units	Flexible transponders UHF 869-915 MHz. White. Chip type: NXP UCODE G2IL (128 bit EPC, 64 bit TID). Anti-Collision. Reading Distance: Up to 10 ft (3 m). US - 915MHz Heat-seal. Operating Temp.: -40° to +85° C. Peak: 120 °C.	<b>0,99 €</b>

# 8.6

## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item

### HID® Inlays & Labels Tags





	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6E3C23-R</b>	HID® Wet Inlay Tag HF 23-R	Ø 23.0 mm	13.56 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. With Black Register Mark on the liner. Clear PET overlay on top. Antenna Ø 20 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional. Imprint of black register bar between labels when precise positioning is required.	<b>0,28 €</b>
	<b>6E3C29</b>	HID® Wet Inlay Tag HF 29	Ø 29.0 mm	13.56 MHz	2.500 units	2.500 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. Clear PET overlay on top. Antenna Ø 25 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,26 €</b>
	<b>6E3C29-R</b>	HID® Wet Inlay Tag HF 29-R	Ø 29.0 mm	13.56 MHz	2.500 units	2.500 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. Clear PET overlay on top. Antenna Ø 25 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional. Imprint of black register bar between labels when precise positioning is required.	<b>0,28 €</b>
	<b>6E3C40</b>	HID® Wet Inlay Tag HF 40	Ø 40.0 mm	13.56 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. Clear PET overlay on top. Antenna Ø 35 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,26 €</b>
	<b>6E3E23</b>	HID® Paper Inlay Tag HF 23	Ø 23.0 mm	13.56 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. White Paper overlay on top. Antenna Ø 20 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,26 €</b>
	<b>6E3E29</b>	HID® Paper Inlay Tag HF 29	Ø 29.0 mm	13.56 MHz	2.500 units	2.500 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. White Paper overlay on top. Antenna Ø 25 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,26 €</b>
	<b>6E3E40</b>	HID® Inlay Paper Tag HF 40	Ø 40.0 mm	13.56 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: NTAG 213 (144 byte EEPROM). IP67. Operating Temp.: -20° to +70° C. White Paper overlay on top. Antenna Ø 35 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,26 €</b>
	<b>6E8C36</b>	HID® Wet Inlay Tag HF REC-36	18.0 x 36.0 mm	13.56 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: ICODE SL1x2 (2048 bit EEPROM). IP67. Operating Temp.: -20° to +70° C. Clear PET overlay on top. Antenna RECT 15x33 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,28 €</b>

# 8.6



## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item

### HID® Inlays & Labels Tags

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>629F48</b>	HID® Wet Inlay Tag HF SQR	48.0 x 48.0 mm	13.56 MHz	2.000 units	1.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: ICODE SLIx (896 bit EEPROM). IP67. Operating Temp.: -20° to +70° C. Clear PET overlay on top. Antenna RECT. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,28 €</b>
	<b>629C57</b>	HID® Wet Inlay Tag HF REC-57	18.0 x 57.0 mm	13.56 MHz	1.800 units	1.800 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: ICODE SLIx (896 bit EEPROM). IP67. Operating Temp.: -20° to +70° C. Clear PET overlay on top. Antenna RECT. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,26 €</b>
	<b>7E4E50</b>	HID® Paper Inlay Tag HF 50	Ø 50.0 x 32.2 mm	13.56 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: ICODE SLIxS (2048 bit EEPROM). IP67. Operating Temp.: -20° to +70° C. Paper overlay on top. Antenna RING Ø 46 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,43 €</b>
	<b>6F1F43</b>	HID® Wet Inlay Tag UHF	18.0 x 36.0 mm	869-915 MHz	2.000 units	2.000 units	Small, thin self-adhesive tags that allow discreet or overt placement, to be read with with smartphones or other standard RFID readers. Chip Type: Monza R6 (96 bit). IP67. Operating Temp.: -40° to +85° C. Clear PET overlay on top. Antenna RECT 40x15 mm. HID® Trusted Tag® (NFC Type 4) or alternative NTAG chips optional.	<b>0,20 €</b>

### HID® Seal eTamper Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>629960</b>	HID® Seal eTamper Tag HF	23 x 18 x 3 mm	13.56 MHz	1.200 units	300 units	Tiny HF transponders that stop working when the sealing wire loop is broken. Electric Tamper Evident. Chip Type: ICODE SLIx (1024 bit EEPROM). Anti-Collision. IEC 62262-IK06. Operating: -40° to +70° C. Standards: ISO/IEC 15693, 18000-3 Mode 1, NFC Forum Type 5. Options: Encoding, laser engraving, custom embossed logo, alternate colors.	<b>2,09 €</b>
	<b>6E5961</b>	HID® Seal eTamper Tag UHF	39 x 14 x 3.6 mm	869-915 MHz	1.200 units	300 units	Tiny HF transponders that stop working when the sealing wire loop is broken. Electric Tamper Evident. Chip Type: UCODE G2iM+. Anti-Collision. IEC 62262-IK06. Operating: -40° to +70° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Options: Encoding, laser engraving, custom embossed logo, alternate colors.	<b>2,12 €</b>

# 8.6

## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item

### HID® World Tag™



	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	601102	HID® World Tag™ LF Unique 20mm	Ø 20 mm	125 KHz	2.000 units	2.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Unique (64 bit read-only). Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,12 €
	601103	HID® World Tag™ LF Unique 30mm	Ø 30 mm	125 KHz	1.000 units	1.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Unique (64 bit read-only). Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,13 €
	601104	HID® World Tag™ LF Unique 50mm	Ø 50 mm	125 KHz	1.000 units	250 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Unique (64 bit read-only). Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,23 €
	612102	HID® World Tag™ LF Q5 20mm	Ø 20 mm	125 KHz	2.000 units	2.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Q5 (264 bit EEPROM). Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,20 €
	612103	HID® World Tag™ LF Q5 30mm	Ø 30 mm	125 KHz	1.000 units	1.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Q5 (264 bit EEPROM). Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,22 €
	602103	HID® World Tag™ LF Titan	Ø 30 mm	125 KHz	1.000 units	1.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Titan (1024 bit EEPROM). Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	2,16 €
	623102	HID® World Tag™ LF Hitag S 20mm	Ø 20 mm	125 KHz	2.000 units	2.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Hitag S (256 bit EEPROM). Anti-collision. Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,17 €
	623103	HID® World Tag™ LF Hitag S 30mm	Ø 30 mm	125 KHz	1.000 units	1.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Hitag S (256 bit EEPROM). Anti-collision. Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,19 €

# 8.6




## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item

### HID® World Tag™

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	623104	HID® World Tag™ LF Hitag S 50mm	Ø 50 mm	125 KHz	1.000 units	250 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Hitag S (256 bit EEPROM). Anti-collision. Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,28 €
	624103	HID® World Tag™ LF Hitag S 30mm	Ø 30 mm	125 KHz	1.000 units	1.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Hitag S (2048 bit EEPROM). Anti-collision. Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,89 €
	624104	HID® World Tag™ LF Hitag S 50mm	Ø 50 mm	125 KHz	1.000 units	250 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Hitag S (2048 bit EEPROM). Anti-collision. Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	1,98 €
	603103	HID® World Tag™ LF Nova	Ø 30 mm	125 KHz	1.000 units	1.000 units	HID® Global World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications. Chip Type: Nova Black. Reading Distance: Dependent upon reader, environment and application. Operating Temperature: -25° to +70° C. Peak: 130° C. Options: Custom printed logo.	2,16 €

### HID® TapMark™ Family



	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	6F1950	HID® TapMark™ Cable Tie	38 x 13 x 4.5 mm	UHF 860-960 MHz	1.120 units	280 units	TapMark for cable tie fixation - Monza R6. Transponders UHF. Gray. No Logo - 860-960 MHz. On or off-metal. Printing to be offered separately. Cable tie not included.	1,13 €
	6F1950-001	HID® TapMark™ Sticker	38 x 13 x 4.5 mm	UHF 860-960 MHz	1.120 units	280 units	TapMark STICKER for flat surfaces - Monza R6. Transponders UHF. Gray No Logo - 860-960 MHz. On or off-metal. Printing to be offered separately.	1,22 €
	6F1950-002	HID® TapMark™ Magnet	38 x 13 x 4.5 mm	UHF 860-960 MHz	960 units	240 units	TapMark MAGNET - Monza R6. Transponders UHF. Gray No Logo - 860-960 MHz. On or off-metal. Printing to be offered separately.	1,50 €

# 8.6



## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item



### HID® TapMark™ Family

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6F1950-003</b>	HID® TapMark™ Screw	38 x 13 x 4.5 mm	UHF 860-960 MHz	1.120 units	280 units	TapMark SCREW for easy fixation with a single crew through the middle - Monza R6. Transponders UHF. Gray No Logo - 860-960 MHz. On or off-metal. Printing to be offered separately.	<b>1,17 €</b>
	<b>6F1950-004</b>	HID® TapMark™ Foam Sticker	38 x 13 x 4.5 mm	UHF 860-960 MHz	960 units	240 units	TapMark FOAM STICKER very high bond for curved or rough surfaces - Monza R6. Transponders UHF. Gray No Logo - 860-960 MHz. On or off-metal. Printing to be offered separately.	<b>1,24 €</b>

### HID® Epoxy Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>698970</b>	HID® Epoxy Tag UHF	25 x 83 x 1 mm	UHF 860-960 MHz	1.000 units	1.000 units	Transponders UHF. 860-960 MHz. Chip Type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). Anti-collision. Reading Distance: Up to 26.3 ft (8 m). Black. IP68, IP69K. Operating Temp.: -40° to +85° C. Peak: 160° C, 24 h. ISO/IEC 18000-6C; EPC Global Class 1 Gen 2. Options: Custom printing or laser engraving; custom sizes; self-adhesive.	<b>1,85 €</b>
	<b>698970-001</b>	HID® Epoxy Tag UHF Sticker	25 x 83 x 1 mm	UHF 860-960 MHz	1.000 units	1.000 units	Transponders UHF. 860-960 MHz. Chip Type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). STICKER. Anti-collision. Reading Distance: Up to 26.3 ft (8 m). Black. IP68, IP69K. Operating Temp.: -40° to +85° C. Peak: 160° C, 24 h. ISO/IEC 18000-6C; EPC Global Class 1 Gen 2. Options: Custom printing or laser engraving; custom sizes; self-adhesive.	<b>2,10 €</b>

### HID® Epoxy Disc


	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>601143</b>	HID® Epoxy Disc LF 30mm	Ø 30 x 1 mm	125 KHz	500 units	500 units	HID® Global Epoxy Tag RFID transponders are constructed for optimal performance under harsh conditions. Perfect for: Automation and manufacturing, Waste management/RTI, Marketing, Medical and health. Transponders 125 kHz. Chip type: Unique (64 bit read-only). IP68, IP69K. Operating Temperature: -40° to +85° C. Peak: 140° C. Black.	<b>1,48 €</b>
	<b>601153</b>	HID® Epoxy Disc LF 30mm	Ø 30 x 1.6 mm	125 KHz	500 units	500 units	HID® Global Epoxy Tag RFID transponders are constructed for optimal performance under harsh conditions. Perfect for: Automation and manufacturing, Waste management/RTI, Marketing, Medical and health. Transponders 125 kHz. Chip type: Unique (64 bit read-only). IP68, IP69K. Operating Temperature: -40° to +85° C. Peak: 140° C. Black.	<b>1,53 €</b>

# 8.6







## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item

### HID® Epoxy Disc

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	624112	HID® Epoxy Disc LF 20mm	Ø 20 x 1 mm	125 KHz	1.000 units	1.000 units	HID® Global Epoxy Tag RFID transponders are constructed for optimal performance under harsh conditions. Perfect for: Automation and manufacturing, Waste management/RTI, Marketing, Medical and health. Transponders 125 kHz. Chip type: Hitag S (2048 bit EEPROM), IP68, IP69K. Operating Temperature: -40° to +85° C. Peak: 140° C. Black.	2,01 €

### HID® SlimFlex™






	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	629990	HID® Slim-Flex™ Tag HF 200	83 x 25 x 3 mm (6 x 2.5 mm slot)	13.56 MHz	1.000 units	250 units	Flexible Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. SlimFlex Tag Standard - ICODE SLIx. Yellow 6/2.5 mm slot. Laser engraving to be offered separately.	1,63 €
	62999C-101	HID® Slim-Flex™ Tag HF 200 OM	83 x 25 x 3 mm (6 x 2.5 mm slot)	13.56 MHz	1.280 units	160 units	Flexible Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. SlimFlex Tag OM Standard - ICODE SLIx. Yellow 6/2.5 mm slot. Laser engraving to be offered separately.	1,71 €
	62999C-102	HID® Slim-Flex™ Tag HF 200 OM (White)	83 x 25 x 3 mm (6 x 2.5 mm slot)	13.56 MHz	1.280 units	160 units	Flexible Transponders HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. SlimFlex Tag OM Standard - ICODE SLIx. White 6/2.5 mm slot. Laser engraving to be offered separately.	1,71 €
	798990	HID® Slim-Flex™ Tag UHF Standard	77 x 25 x 3 mm	UHF 869-915 MHz	1.000 units	500 units	Flexible Transponders UHF 869-915 MHz. Chip type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). Green. Reading distance: Up to 26.3 ft (8 m). IP68. IEC 62262-IK06. Operating Temperature: -40° to +70° C. Peak: 100° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Laser engraving to be offered separately.	1,59 €
	798990-200	HID® Slim-Flex™ Tag UHF 200	3 x 25 x 3 mm	UHF 869-915 MHz	1.000 units	1.000 units	Flexible Transponders UHF 869-915 MHz. Chip type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). Yellow. Reading distance: Up to 26.3 ft (8 m). IP68. IEC 62262-IK06. Operating Temperature: -40° to +70° C. Peak: 100° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Laser engraving to be offered separately.	1,59 €
	798990-301	HID® Slim-Flex™ Tag UHF Standard	87 x 25 x 3 mm	UHF 869-915 MHz	1.000 units	1.000 units	Flexible Transponders to be affixed with cable ties. Chip type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). Yellow. Reading distance: Up to 26.3 ft (8 m). IP68. IEC 62262-IK06. Operating Temperature: -40° to +70° C. Peak: 100° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Laser engraving to be offered separately.	1,59 €

# 8.6

## ASSET TRACKING & LOGISTICS TRANSPONDERS

Enable businesses and consumers to identify, locate, authenticate and engage each item







HID® SlimFlex™

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	698991	HID® Slim-Flex™ Tag UHF Square	115 x 85 x 3 mm	UHF 869-915 MHz	4.800 units	240 units	Flexible transponders for pallet tracking. UHF 869-915 MHz. Chip type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). Yellow. Reading distance: Up to 26.3 ft (8 m). IP68. IEC 62262-IK06. Operating Temperature: -40° to +70° C. Peak: 110° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Laser engraving to be offered separately.	2,78 €
	69899A	HID® Slim-Flex™ Tag UHF Mini	65 x 12 x 2 mm	UHF 869-915 MHz	3.000 units	1.500 units	Flexible transponders UHF 869-915 MHz. Chip type: Higgs 3 (96 bit EPC + 64 bit TID + 512 bit user memory). White. Reading distance: Up to 13.1 ft (4 m). IP68. IEC 62262-IK06. Operating Temperature: -40° to +85° C. Peak: 220° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Laser engraving to be offered separately.	1,57 €
	729990-202	HID® Slim-Flex™ Seal Tag HF	85 x 25 x 3 mm	13.56 MHz	1.000 units	1.000 units	Flexible Transponders with integrated cable tie. HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5. Chip type: ICODE SLIx (1024 bit EEPROM). Yellow. Anti-Collision. IP68. IEC 62262-IK06. Operating Temperature: -40° to +70° C. Standards: ISO/IEC 15693, ISO/IEC 18000-3 Mode 1, NFC. Visual Tamper Evident.	1,96 €
	798990-202	HID® Slim-Flex™ Seal Tag UHF	85 x 25 x 3 mm	UHF 869-915 MHz	1.000 units	1.000 units	Flexible Transponders with integrated cable tie. UHF 869-915 MHz. Chip type: Higgs 3 (512 bit user memory + 96 bit EPC + 64 bit TID). Yellow. Anti-Collision. IP68. Reading distance: Up to 26 ft (8 m). IEC 62262-IK06. Operating Temperature: -40° to +70° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Visual Tamper Evident.	1,92 €
	69899A-202	HID® Slim-Flex™ Seal Tag UHF Mini	60 x 12 x 2 mm	UHF 860-960 MHz	1.500 units	1.500 units	Flexible Transponders with integrated cable tie. UHF 869-915 MHz. Chip type: Higgs 3 (512 bit user memory + 96 bit EPC + 64 bit TID). Yellow. Anti-Collision. IP68. Reading distance: Up to 16.4 ft (5 m). IEC 62262-IK06. Operating Temperature: -40° to +70° C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C. Visual Tamper Evident.	1,80 €

# 8.7 | EMBEDDABLE RFID TRANSPONDERS

## Tiny embeddable units


### HID® Piccolino Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>634190</b>	HID® Piccolino Tag HF F-Mem	Ø 9.5 mm	13.56 MHz	2.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: F-MEM 2 KBytes. Anti-collision. IP67. Operating Temperature: -20° to +85° C. YELLOWISH.	<b>2,42 €</b>
	<b>629190</b>	HID® Piccolino Tag HF ICODE® SLIX	Ø 9.5 mm	13.56 MHz	2.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: ICODE® SLIX 1 KByte EEPROM. Anti-collision. IP67. Operating Temperature: -40° to +85° C. YELLOWISH.	<b>1,34 €</b>
	<b>6A9190</b>	HID® Piccolino Tag HF VIGO 1k	Ø 9.5 mm	13.56 MHz	2.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: VIGO 1 KByte EEPROM. Anti-collision. IP67. Operating Temperature: -40° to +85° C. YELLOWISH.	<b>1,28 €</b>
	<b>6D0190</b>	HID® Piccolino Tag HF VIGO 2k	Ø 9.5 mm	13.56 MHz	2.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: VIGO 2 KBytes EEPROM. Anti-collision. IP67. Operating Temperature: -40° to +85° C. YELLOWISH.	<b>1,31 €</b>
	<b>629191</b>	HID® Piccolino Tag HF ICODE® SLIX	Ø 7.5 mm	13.56 MHz	2.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: ICODE® SLIX 1 KByte EEPROM. Anti-collision. IP67. Operating Temperature: -40° to +85° C. YELLOWISH.	<b>1,35 €</b>
	<b>6B0192</b>	HID® Piccolino Tag HF VIGO 1.6K	Ø 6.0 mm	13.56 MHz	10.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: VIGO 1.6 KByte EEPROM. Anti-collision. IP67. Operating Temperature: -40° to +85° C. YELLOWISH.	<b>1,35 €</b>
	<b>6C9192</b>	HID® Piccolino Tag HF ISO15693	Ø 6.0 mm	13.56 MHz	10.000 units	2.000 units	HF 13.56 MHz - ISO/IEC 15693 - NFC-V Forum Type 5 Transponders for space-constrained applications, our smallest disc-shaped units deliver high frequency performance. Chip Type: F-MEM 256 Bytes. Anti-collision. IP67. Operating Temperature: -20° to +85° C. YELLOWISH.	<b>2,24 €</b>

# 8.7 | EMBEDDABLE RFID TRANSPONDERS

## Tiny embeddable units

### HID® Brick Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>933504</b>	HID® Brick Tag LF NOVA	12.1 x 6.1 x 3 mm	130 KHz	500 units	500 units	Widely used in key fobs for automobile immobilizer theft prevention systems, these devices are also ideal for tool or cable inventory and tracking systems. Chip Type: Nova (160 bit EEPROM). Black. IP68. Operating Temp.: -40° to +120° C. Peak: 140° C, 100 h.	<b>1,61 €</b>
	<b>9B7513</b>	HID® Brick Tag LF HDX No Prog	12.1 x 6.1 x 3 mm	130 KHz	500 units	500 units	Widely used in key fobs for automobile immobilizer theft prevention systems, these devices are also ideal for tool or cable inventory and tracking systems. Chip Type: HDX SIC279 (SIC7999) with 128 bit read-only. Black. IP68. Operating Temp.: -40° to +120° C. Peak: 140° C, 100 h, unprogrammed.	<b>1,60 €</b>
	<b>9B7514-001</b>	HID® Brick Tag LF HDX Prog	12.1 x 6.1 x 3 mm	130 KHz	500 units	500 units	Widely used in key fobs for automobile immobilizer theft prevention systems, these devices are also ideal for tool or cable inventory and tracking systems. HDX SIC279 (SIC7999) with 128 bit read-only, programmed. Black. IP68. Operating Temp.: -40° to +120° C. Peak: 140° C, 100 h.	<b>1,66 €</b>
	<b>6A9904</b>	HID® Brick Tag HF VIGO 1K	10.2 x 2.0 x 2.6 mm	13.56 MHz	4.000 units	4.000 units	The tags provide a full 64-bit UID and 1024-bit user memory, optionally usable for NFC applications. Chip Type: Vigo 1k (64 bit UID, 1024 bit EEPROM). Black. Anti-Collision. Operating Temp.: -25° to +70° C.	<b>1,11 €</b>
	<b>698930</b>	HID® Brick Tag UHF Ceramic 60 EU	5 x 5 x 3 mm	869 MHz	2.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (EU) - 869MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	<b>2,47 €</b>
	<b>698931</b>	HID® Brick Tag UHF Ceramic 60 US	5 x 5 x 3 mm	915 MHz	2.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (US) - 915MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	<b>2,47 €</b>
	<b>698936</b>	HID® Brick Tag UHF Ceramic 75 EU	10 x 2.5 x 2.5 mm	869 MHz	2.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (EU) - 869MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	<b>2,48 €</b>
	<b>698937</b>	HID® Brick Tag UHF Ceramic 75 US	10 x 2.5 x 2.5 mm	915 MHz	2.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (US) - 915MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	<b>2,48 €</b>

# 8.7 | EMBEDDABLE RFID TRANSPONDERS

## Tiny embeddable units


### HID® Brick Tag

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	698932	HID® Brick Tag UHF Ceramic 150 EU	10 x 5 x 3 mm	869 MHz	4.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (EU) - 869MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	2,52 €
	698933	HID® Brick Tag UHF Ceramic 150 US	10 x 5 x 3 mm	915 MHz	4.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (US) - 915MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	2,52 €
	698934	HID® Brick Tag UHF Ceramic 600 EU	23 x 9 x 3 mm	869 MHz	4.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (EU) - 869MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	2,59 €
	698935	HID® Brick Tag UHF Ceramic 600 US	23 x 9 x 3 mm	915 MHz	4.000 units	2.000 units	The hard shells encasing these tiny UHF transponders (869-915 MHz) shield them from exposure to autoclave sterilization and demanding industrial environments. Chip Type: Higgs 3 (512 bit read/write). (US) - 915MHz. Anti-Collision. Reading Distance: 3.3 ft (1.0 m). Black. IP67. Operating Temp.: -40° to +85° C. Peak: 150° C, 100 h.	2,59 €

### Accessories for Brick Tag

P/N	Description	List Price
9B7513-CP	Adder to Brick Tag LF HDX SIC279 (SIC7999) price. Custom programming. MOQ: 10.000 units. Box Size: 500 pieces.	0,10 €

### HID® Clear Disc

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	601116	HID® Clear Disc LF Unique 20mm	Ø: 20 mm.	125 KHz	5.000 units	5.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Unique (64 bit read-only). Operating Temperature: -20° to +60° C.	0,98 €

# 8.7 | EMBEDDABLE RFID TRANSPONDERS

## Tiny embeddable units





### HID® Clear Disc

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>601117</b>	HID® Clear Disc LF Unique 30mm	Ø: 30 mm	125 KHz	2.000 units	2.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Unique (64 bit read-only). Operating Temperature: -20° to +60° C.	<b>0,96 €</b>
	<b>612116</b>	HID® Clear Disc LF Q5 22mm	Ø: 22 mm	125 KHz	5.000 units	5.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Q5 (256 bit EEPROM). Operating Temperature: -20° to +60° C.	<b>1,06 €</b>
	<b>612117</b>	HID® Clear Disc LF Q5 30mm	Ø: 30 mm	125 KHz	2.000 units	2.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Q5 (256 bit EEPROM). Operating Temperature: -20° to +60° C.	<b>1,05 €</b>
	<b>623116</b>	HID® Clear Disc LF Hitag S 256	Ø: 20 mm.	125 KHz	5.000 units	5.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Hitag S (256 bit EEPROM). Anti-collision. Operating Temperature: -20° to +60° C.	<b>1,05 €</b>
	<b>624116</b>	HID® Clear Disc LF Hitag S 2048 20mm	Ø: 20 mm.	125 KHz	5.000 units	5.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Hitag S (2048 bit EEPROM). Anti-collision. Operating Temperature: -20° to +60° C.	<b>1,79 €</b>
	<b>624117</b>	HID® Clear Disc LF Hitag S 2048 30mm	Ø: 30 mm	125 KHz	2.000 units	2.000 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Hitag S (2048 bit EEPROM). Anti-collision. Operating Temperature: -20° to +60° C.	<b>1,79 €</b>
	<b>607119</b>	HID® Clear Disc HF MIFARE® 1K	Ø: 25 mm	13.56 MHz	2.000 units	500 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Mifare® Classic 1K (4 byte non-UID). Anti-collision. Operating Temperature: -20° to +60° C.	<b>1,16 €</b>
	<b>7A1119</b>	HID® Clear Disc HF DES-Fire® EV1 4K	Ø: 25 mm	13.56 MHz	2.000 units	500 units	Clear Disc transponders with electronics sealed in a transparent plastic coating that provides resistance to chemical exposure, shock, vibration and thermal fluctuations, both during and after production. Chip Type: Mifare® DESFire® EV1 4K. Anti-collision. Operating Temperature: -20° to +60° C.	<b>1,68 €</b>

# 8.7 | EMBEDDABLE RFID TRANSPONDERS

Tiny embeddable units




## HID® Coin PCB

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>6C6164</b>	HID® Coin PCB UHF 16mm EU	16 x 0.9 mm	869 MHz	2.500 units	1.250 units	Transponders UHF. (EU) - 869MHz. PCB Coins - UHF near-field transponders, small and robust. Chip Type: Monza 4E (496 bit EPC + 96 bit TID + 128 bit user). Anti-collision. Reading Distance: 7.8 in (20 cm). IP68. Operating Temp.: -40° to 85° C. Peak: Up to 220°C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C.	<b>1,14 €</b>
	<b>6C6163</b>	HID® Coin PCB UHF 16mm US	16 x 0.9 mm	915 MHz	2.500 units	1.250 units	Transponders UHF. (US) - 915MHz. PCB Coins - UHF near-field transponders, small and robust. Chip Type: Monza 4E (496 bit EPC + 96 bit TID + 128 bit user). Anti-collision. Reading Distance: 7.8 in (20 cm). IP68. Operating Temp.: -40° to 85° C. Peak: Up to 220°C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C.	<b>1,14 €</b>
	<b>6C6166</b>	HID® Coin PCB UHF 19/12mm EU	Oval 19/12 x 0.9 mm	869 MHz	2.500 units	1.250 units	Transponders UHF. (JE) - 869MHz. PCB Coins - UHF near-field transponders, small and robust. Chip Type: Monza 4E (496 bit EPC + 96 bit TID + 128 bit user). Anti-collision. Reading Distance: 10 in (25 cm). IP68. Operating Temp.: -40° to 85° C. Peak: Up to 220°C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C.	<b>1,14 €</b>
	<b>6C6165</b>	HID® Coin PCB UHF 19/12mm US	Oval 19/12 x 0.9 mm	915 MHz	2.500 units	1.250 units	Transponders UHF. (US) - 915MHz. PCB Coins - UHF near-field transponders, small and robust. Chip Type: Monza 4E (496 bit EPC + 96 bit TID + 128 bit user). Anti-collision. Reading Distance: 10 in (25 cm). IP68. Operating Temp.: -40° to 85° C. Peak: Up to 220°C. Standards: UHF EPC Class 1 Gen 2, ISO 18000-6C.	<b>1,14 €</b>



# 8.8 | BEACONS

## Multiapplication and programmable BLE devices

### EM® Beacons

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>EMBC01</b>	EM® Beacon	16 x 0.9 mm	869 MHz	100 units	50 units	Bluetooth Low-Energy proximity beacon suitable for mass deployment by system integrators. A push-button with LED feedback can be used to select the right operating mode for your deployment. The EMBC01 operating modes offer tradeoffs between the best performance, range, and battery lifetime. The push-button can be used to cycle through different beaconing modes. Modes for high performance and long battery life are available.	<b>20,36 €</b>
	<b>EMBC02</b>	EM® Beacon	16 x 0.9 mm	915 MHz	100 units	50 units	Bluetooth Low-Energy proximity beacon with integrated accelerometer for attachment to objects that move. EMBC02 advertises ID data that is compatible with common beacon standards (UUID, Major ID, and Minor ID), ONLY when an object is moving, or ONLY after an object has fallen. There is also a mode to display accelerometer data and gesture counts.	<b>CONSULT</b>
	<b>EMBE01</b>	EM® Beacon	Oval 19/12 x 0.9 mm	869 MHz	100 units	50 units	Enterprise grade Bluetooth v4.1 proximity beacon. It is particularly suitable for mass deployment by system integrators in demanding environments thanks to long battery life and robust housing. The unit comes in an IP65 rated weatherproof enclosure, using 4 standard AA batteries for power (batteries not delivered with unit). A push-button and a magnetic reed switch provide respectively internal and external control, along with two LEDs for feedback to the user.	<b>51,70 €</b>





### Wireless Tools for EM® Beacons

	P/N	Model	NDA	Protocol	MOQ	Uds./Box	Description	List Price
	<b>EMBC01D-VK</b>	EM® EMBC01 Development Kit	NDA Required	Bluetooth v4.1	1 unit	5 units	The EMBC01DVK is a Bluetooth Low-Energy beacon development kit comes with 5 EMBC01 coin-cell beacons that can be modified in many unique ways to create a new product exclusive for your company. The DVK is suitable for development of sensor and proximity beacons, and comes with an adapter board and cable to interface to the Raisonance RLink programming tools. The RLink Standard and Pro versions are available separately.	<b>141,00 €</b>
	<b>EMBE01D-VK</b>	EM® EMBE01 Development Kit	NDA Required	Bluetooth v4.1	1 unit	5 units	This kit consists in 5 EMBE01 enterprise beacons, a programming interface, and a Cortex programmer. The programming interface consists in a dedicated programming cable and an interconnection Printed Circuit Board.	<b>495,00 €</b>




# 8.8 | BEACONS

## Multiapplication and programmable BLE devices

### HID® Bluvision™ Beacons

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>BVBL-N5W-IDT</b>	HID® Bluvision™ BEEK Lite Beacon	60 x 21 mm	2.4 Ghz ISM	10 units	10 units	BLE beacon with 5-yr battery life. Does not include onboard sensors. Primary usage is Proximity Marketing. White housing. Eddystone and iBeacon compatible.	<b>18,25 €</b>
	<b>BV-BI45G-IDT</b>	HID® Bluvision™ BEEK Industrial - Grey Beacon	61.3 x 37.2 mm	2.4 Ghz ISM	10 units	10 units	BLE beacon with 5-yr battery life. Includes onboard sensors for ambient light, temperature and 3-axis acceleration / vibration. Primary usage is Condition Monitoring and RTLS services. Industrial gray rugged housing. Eddystone and iBeacon compatible.	<b>28,19 €</b>
	<b>BV-BI45W-IDT</b>	HID® Bluvision™ BEEK Industrial - White Beacon	61.3 x 37.2 mm	2.4 Ghz ISM	10 units	10 units	BLE beacon with 5-yr battery life. Includes onboard sensors for ambient light, temperature and 3-axis acceleration / vibration. Primary usage is Condition Monitoring and RTLS services. White housing. Eddystone and iBeacon compatible.	<b>26,94 €</b>
	<b>BVBB-N4W-IDT</b>	HID® Bluvision™ BEEK Badge Beacon-Card	54 x 86 mm	2.4 Ghz ISM	10 units	10 units	BLE beacon with 2-yr battery life. Does not include onboard sensors. Primary usage is Proximity Marketing. White housing. Eddystone and iBeacon compatible. Optionally embeddable HID passive RFID ClearDisc - priced separately.	<b>26,19 €</b>


### Wireless HID® Bluvision™ BluFi

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>BVB-FUS-IDT</b>	HID® Bluvision™ BluFi US	50 x 38x 38 mm	2.4 Ghz ISM + 802.11 b/g/n	2 units	2 units	AC-powered BluFi BLE to WiFi Gateway with US-compatible AC plug (Type A). Required for usage of Bluvision Bluzone solutions for RTLS and Condition Monitoring SaaS solutions.	<b>61,00 €</b>
	<b>BVB-FEU-IDT</b>	HID® Bluvision™ BluFi EU	50 x 38x 38 mm	2.4 Ghz ISM + 802.11 b/g/n	2 units	2 units	AC-powered BluFi BLE to WiFi Gateway with Europe, South America and Asia-compatible AC plug (Type C). Required for usage of Bluvision Bluzone solutions for RTLS and Condition Monitoring SaaS solutions.	<b>61,00 €</b>
	<b>BVB-FUK-IDT</b>	HID® Bluvision™ BluFi UK	50 x 38x 38 mm	2.4 Ghz ISM + 802.11 b/g/n	2 units	2 units	AC-powered BluFi BLE to WiFi Gateway with UK and Singapore-compatible AC plug (Type G). Required for usage of Bluvision Bluzone solutions for RTLS and Condition Monitoring SaaS solutions.	<b>61,00 €</b>







# 8.8 | BEACONS

## Multiapplication and programmable BLE devices

### Wireless HID® Bluvision™ BluFi

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>BVB-FAU-IDT</b>	HID® Bluvision™ BluFi AU	50 x 38x 38 mm	2.4 Ghz ISM + 802.11 b/g/n	2 units	2 units	AC-powered BluFi BLE to WiFi Gateway with Australian, China and Argentina-compatible AC plug (Type I). Required for usage of Bluvision Bluzone solutions for RTLS and Condition Monitoring SaaS solutions.	<b>61,00 €</b>






### Management SW and Services for HID® Bluvision™ Environment

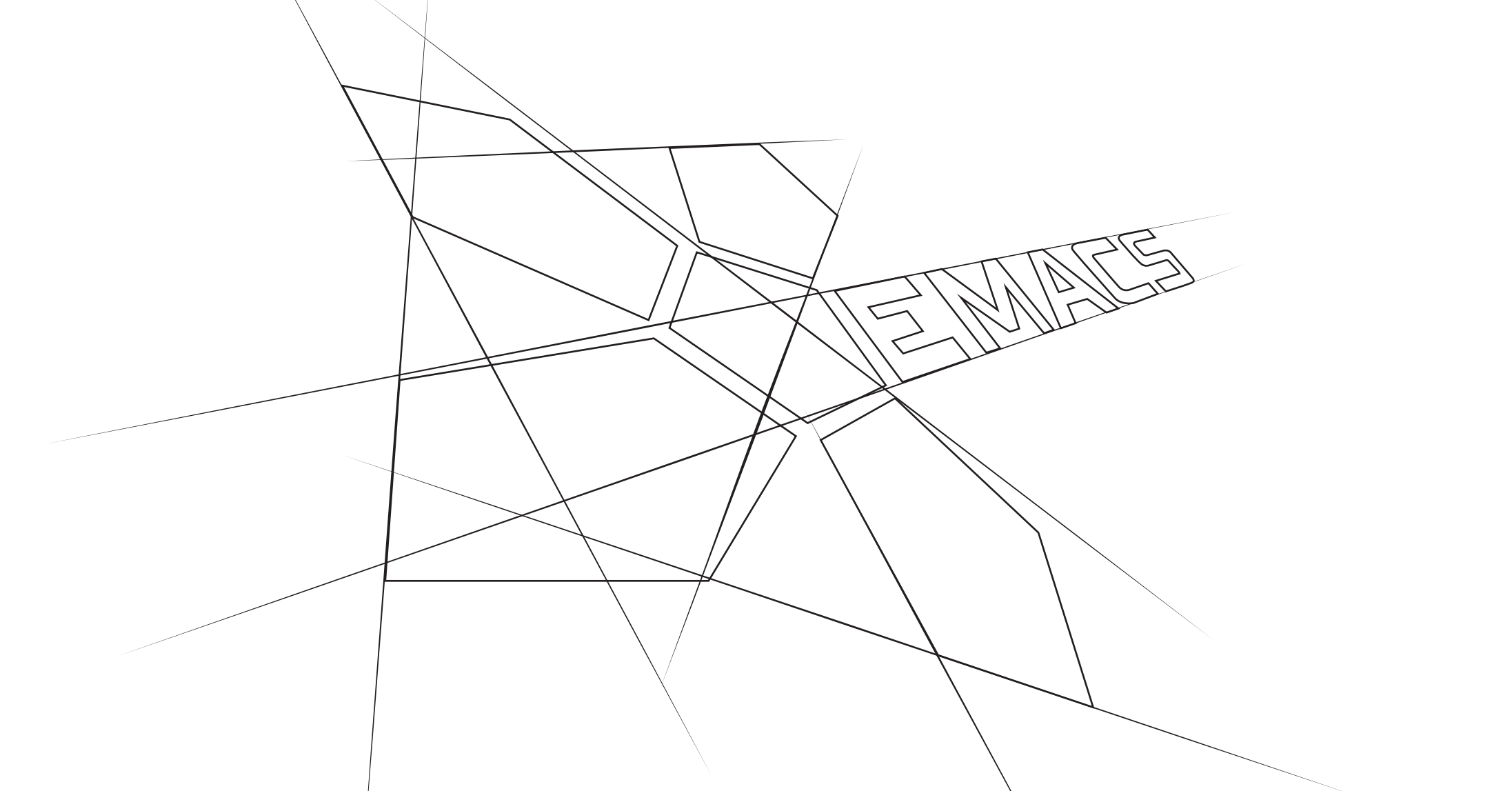
	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>BVPSI-IDT</b>	HID® Bluvision™ Professional Services-Installer	Contract Required	Bluetooth Low Energy 4.1	1 unit	1 unit	Blended rate for one 8-hour day of installation services, whether remote or on-premises. Rate does not include travel expenses.	<b>3.600,00 €</b>
	<b>BVSLT-IDT</b>	HID® Bluvision™ Bluzone Site License	Contract Required	Bluetooth Low Energy 4.1	1 unit	1 unit	General operations fee per site per year (Waived for installations with software SaaS fee >\$40K / year)	<b>25.000,00 €</b>
	<b>BVB-FM-IDT-BEA</b>	HID® Bluvision™ Bluzone Fleet Mgmt (for iBeacon)	Price per Unit / Month	Bluetooth Low Energy 4.1	1 unit	1 unit	Enables remote management of beacon and blufi fleet, including monitoring of performance, management of settings, and updating of firmware. Requires BluFi to enable beacon Fleet Management. For iBeacon and / or Eddystone use cases.	<b>2,50 €</b>
	<b>BVB-FM-IDT-BLU</b>	HID® Bluvision™ Bluzone Fleet Mgmt (for BLU-Fi)	Price per Unit / Month	Bluetooth Low Energy 4.1	1 unit	1 unit	Enables remote management of beacon and blufi fleet, including monitoring of performance, management of settings, and updating of firmware. Requires BluFi to enable beacon Fleet Management. For iBeacon and / or Eddystone use cases.	<b>12,50 €</b>
	<b>BVZ-BLS-IDT</b>	HID® Bluvision™ Zone-based RTLS	Contract Required	Bluetooth Low Energy 4.1	1 unit	1 unit	SaaS-based solution that enables identification of location of assets in environments that are wifi-enabled. Provides location based on identified defined zones. Can be used with our standard portal or through integration with our open APIs. Requires Blufis and beacons to enable solution. Includes Fleet Management.	<b>CONSULT</b>
	<b>BVRT-LS-IDT</b>	HID® Bluvision™ RTLS (Real-time Location Services)	Contract Required	Bluetooth Low Energy 4.1	1 unit	1 unit	SaaS-based solution that enables identification of location of assets in environments that are wifi-enabled. Provides location accuracy to < 1 meter. Can be used with our standard portal or through integration with our open APIs. Includes Fleet Management and zone based RTLS.	<b>CONSULT</b>

# 8.8 | BEACONS

## Multiapplication and programmable BLE devices

### Management SW and Services for HID® Bluvision™ Environment

	P/N	Model	Size	Frequency	MOQ	Uds./Box	Description	List Price
	<b>BVCM-IDT-BEA</b>	HID® Bluvision™ Condition Monitoring (for iBeacon)	Price per Unit / Month	Bluetooth Low Energy 4.1	1 unit	1 unit	SaaS-based solution that enable visibility to basic operation functions of motors, drives, gearboxes, pumps and other electro-mechanical equipment. Does not include machine learning analytics or 800-hertz vibration analysis.	<b>1,63 €</b>
	<b>BVCM-IDT-BLU</b>	HID® Bluvision™ Condition Monitoring (for BLU-Fi)	Price per Unit / Month	Bluetooth Low Energy 4.1	1 unit	1 unit	SaaS-based solution that enable visibility to basic operation functions of motors, drives, gearboxes, pumps and other electro-mechanical equipment. Does not include machine learning analytics or 800-hertz vibration analysis.	<b>1,71 €</b>
	<b>BVACM-IDT-BEA</b>	HID® Bluvision™ Advanced Condition Monitoring (for iBeacon)	Price per Unit / Month	Bluetooth Low Energy 4.1	1 unit	1 unit	SaaS-based solution that enable visibility to advanced operation functions of motors, drives, gearboxes, pumps and other electro-mechanical equipment for predictive failure analysis. Includes machine learning analytics and 800-hertz vibration analysis.	<b>1,71 €</b>
	<b>BVACM-IDT-BLU</b>	HID® Bluvision™ Advanced Condition Monitoring (for BLU-Fi)	Price per Unit / Month	Bluetooth Low Energy 4.1	1 unit	1 unit	SaaS-based solution that enable visibility to advanced operation functions of motors, drives, gearboxes, pumps and other electro-mechanical equipment for predictive failure analysis. Includes machine learning analytics and 800-hertz vibration analysis.	<b>1,59 €</b>
	<b>BVDE-MO-IDT</b>	HID® Bluvision™ Bluzone Demo Environment	Contract Required	Bluetooth Low Energy 4.1	1 unit	1 unit	Access to Bluvision Bluzone SaaS capabilities to enable demo environments across Condition Monitoring and Location-based services. Not for resale or commercial usage.	<b>1,59 €</b>



EMACS

[WWW.EMACS.ES](http://WWW.EMACS.ES)

TEL. +34 913.750.136

FAX. +34 913.758.894

C\ SANTA LEONOR, 63. PLANTA 4, LOCAL 1. 28037 MADRID