UHF COMBI CARD

ISO CARD WITH UHF AND PROXIMITY OR SMARTCARD TECHNOLOGY

KEY FEATURES:

- Thin, ISO card format
- Identification up to 3 meters [9 ft]
- One card solution for access control
- Battery free
- Security protected

The UHF Combi card is a card featured with long range UHF and proximity or smartcard technology. It ensures the use of one single card for both vehicle and building access applications.

The UHF Combi card is a passive UHF ISO card offering long range vehicle access up to 3 meters [9 ft.] in combination with a uPass Reach reader.
Next to UHF technology, the Combi cards are featured with proximity or smartcard technology, used for building access. It offers the best of both and ensures compatibility and seamless integration with existing access control applications.

In combination with UHF several technologies are supported;
– UHF – Mifare
– UHF — Mifare Desfire
– UHF – Legic
– UHF — EM
– UHF — HID prox
– UHF — HID iClass

The UHF Combi card offers cost effective long range vehicle access for parking applications. Designing the system to require that the UHF Combi card is also used for building access ensures removal of the card from the vehicle.

Security

The UHF Combi card is featured with special security protection to provide data integrity and to prevent copying. The Combi card can be printed and personalized on request.

Applications

Typical applications include long range vehicle identification for parking applications, where the reader is mounted onto a pedestal/ gooseneck and card is presented by the driver to the reader. See for more information the uPASS application note.

nedap® avi

SPECIFICATIONS

TECHNICAL INFORMATION	UHF COMBI CARD
Operating frequency	UHF 850 – 950 MHz (UHF ISO card) UHF 850 – 950 MHz & 13.56 MHz (Mifare / Legic) UHF 850 – 950 MHZ & 125 kHz (EM)
Standard	ISO 7816, EPC Gen 2
Dimensions	85 x 54 x 0.95 mm [3.4 x 2.2 <0.04 in]
Protection	IP54 [approx. NEMA 2]
Colour	White
Material	PVC
Customisation	Customised printing on request.
Operating temperature	–20 ... +50°C [–4 ... +122°F]
Detection range UHF	up to 3 m [9 ft] with uPASS Reach reader when properly alligned
Detection range access card	few cm, depending on applied reader and card technology
Humidity	10% ... 93% relative humidity, non condensing
Part numbers	9943943 UHF ISO Card 9942343 Combi card UHF – Mifare 1K 9206388 Combi card UHF – Mifare DESfire 4K 9943960 Combi card UHF – Legic Advant 9942360 Combi card UHF – EM4102 9954082 Combi card UHF – HID Prox Wiegand 26 9954104 Combi card UHF– HID Prox 9954112 Combi card UHF – HID iClass 2K Wiegand 26 9959343 Combi card UHF – HID iClass 2K 9955836 Bundle 25 Combi cards UHF — HID Prox Wiegand 26 9955844 Bundle 100 Combi cards UHF — HID Prox Wiegand 26
Documentation	Application note uPASS Reach door access
Readers	9942319 uPASS Reach (region 1) 9945466 uPASS Reach (region 2&3) 9958240 uPASS Access dark grey (region 1) 9206663 uPASS Access dark grey (region 2) 9211926 uPASS Access dark grey (region 3)
Accessories	5793785 Soft plastic ISO card holder (without clip) 5793793 Open hard plastic ISO card holder (without clip)