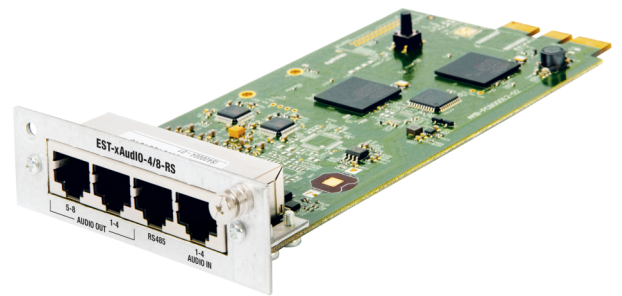


EST-xAudio-4/8-RS

Function card 4 audio input / 8 audio output

Overview

This audio input/output card is destined for a function slot of EST-CU-8LCD. It offers 4 line audio inputs via an RJ45 connector as well as 8 symmetrical outputs via an RJ45 connector for leading out audio signals to the external devices or amplifiers of the EST ENT VES system. The card is also equipped with an RS485 interface with the help of which the EST ENT VES system can be controlled or integrated with devices offered by other producers.



EST-xAudio-4/8-RS

Function card 4 audio input / 8 audio output

Technical specifications

Eléctrico

Consumo de corriente	typically 100 mA at 48 V
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Físico

Dimensiones físicas	70 x 160 x 25 mm (W x H x D)
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Medioambiental

Temperatura de funcionamiento	0°C to +70°C
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Temperatura de almacenamiento	-20°C to +70°C
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Estándares y regulaciones

Normativas	EN54-16
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Electrical

Source of power	EST-CU-8LCD Control Unit main backplane
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Audio input

Number of audio inputs	4
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Type of audio inputs	Differential
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Type of connector	1x RJ45
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Input impedance	$\geq 10 \text{ k}\Omega$
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Input voltage	3 Vrms max.
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Audio outputs

Number of audio outputs	8
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Type of audio outputs	Symmetrical
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Type of connector of audio inputs	2x RJ45
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Pass band	20 Hz - 20 kHz (at 1 dB) / 400 Hz - 8kHz (at 0,1 dB)
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Non-linear distortion (THD+IMD)	$\leq 0,05\%$
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Reserve output power (headroom)	10 dB
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Relation signal/noise	$\geq 90 \text{ dB}$
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Channel separation	$\geq 80 \text{ dB}$
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Output impedance	600 Ω
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RS485 interface

Number of seats	1x RJ45
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Transmission speed	$\geq 19200 \text{ bps}$
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RS485 connector supply	48 V with current efficiency 2 A
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Environmental

Operating humidity	15% to 80% non-condensing
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Storage humidity	5% to 95% non-condensing
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Last updated on 15 October 2020 - 13:53

