OMNITRONIC NAT-412 Audio transmitter

CobraNet(TM) audio network transmitter

Réf. : 10356470

GTIN: 4026397280807

Description:

CobraNet(TM) Audio network technology

Developed by Peak Audio, CobraNet(TM) technology allows real-time uncompressed digital audio distribution over industry standard 100Base-T Ethernet networks. Based on the Ethernet-MAC-protocol, it is possible to reach an isochronous, i. e. a highly reliable datastream with very low latency and a bandwidth of 100 Mbit/s.

CobraNet(TM) technology allows the transport of isochronous datastreams required by audio and video applications in 10 and 100 MBit Ethernet networks where an upgrade to e.g. 1 GBit is always possible. Additionally, CobraNet(TM) technology can carry asynchronous control data without conflict to the isochronous data.

Up to 64 channels (20 Bit/48 kHz) can be carried simultaneously over a category 5 cable. CobraNet(TM) currently supports a 48 kHz sampler frequency with a 16, 20, or 24 bitrate. A respectively configured network can handle up to 3000 audio channels. When using category 5 cables, a maximum cable-length of 100 m should not be exceeded.

As CobraNet(TM) consists of standard Ethernet-components available in the IT retail business, high quality products can be bought at a competitive price.

CobraNet(TM) devices can coexist with networked computers, printers, etc. on a switched 100Base-T Ethernet network, however, a dedicated network infrastructure is strongly recommended.

Logistique

EAN / GTIN: 4026397280807

Poids: 9,30 kg

Longueur: 0.55 m

Largeur: 0.46 m

Hauteur: 0.24 m

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Caractéristiques:

- Real-time audio transmission of the CobraNet(TM) signal
- 4 analog input channels (bal.)
- 12 analog input channels (bal.)
- CobraNet(TM) and Ethernet connection port
- Independent MCU control for running the transmitter without a PC
- Every channel can be controlled independently
- Firmware can be updated via RS-232 port
- All setup parameters can be stored in permanent flash memory
- Redundant network connection
- Operation possible without PC after configuration
- Automatic ajdustment to regional power supply systems
- Transmission of up to 64 channels (20 bit/48 kHz) via category 5 cable
- 48 kHz sampler frequency with a bitrate of 20
- Maximum cable length 100 m (category 5 cables)
- Incl. mounting brackets for 483 mm rack installation (19") (2 U)

Données techniques:

Alimentation électrique:	100-240 V CA, 50/60 Hz
Puissance totale de raccordement:	30,00 W
Dimension:	Largeur : 43 cm Profondeur : 33 cm Hauteur : 8,9 cm
Poids:	7,3 kg
DSP capability:	200 MIPS, 40 bit floating point
2 RJ-45 network connectors:	according to IEEE 802.3 standards
2 RS-232 connectors:	type D (9 pins)
Analog audio inputs:	
Number of channels:	4 (XLR, bal.)
Sampler frequency:	48 kHz
Quantization resolution:	20 Bit
THD:	0.005 % (+4 dBu)
Dynamic range:	103 dBA
Input gain adjustment:	0-66 dBu
Maximum input level:	+21 dBu (bal.)
Input impedance:	20 kohms
Analog audio outputs:	
Number of channels:	12 (XLR, bal.)
Sampler frequency:	48 kHz
Quantization resolution:	20 bit
Frequency range:	20-20000 Hz, ±0.2 dB
THD:	0.005 % (+4 dBu)
Dynamic range:	103 dBA
Maximum output level:	+21 dBu (bal.)
Output impedance:	100 ohms
Dimensions:	430 x 89 x 330 mm
	Rack installation with 2 U with brackets

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