

## OMNITRONIC NAT-412 Audio transmitter

CobraNet(TM) audio network transmitter

Art.n.: 10356470

GTIN: 4026397280807



### Descrizione :

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.

### Logistica

EAN / GTIN: 4026397280807

Peso : 9,30 kg

Lunghezza : 0.55 m

Larghezza : 0.46 m

Altezza : 0.24 m

## Features :

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- 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 adjustment 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)

## Dati tecnici :

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|-----------------------------|--|
| Alimentazione elettrica:    | 100-240 V AC, 50/60 Hz                                   |
| Potenza totale installata:  | 30,00 W  |
| Misure:                     | Larghezza: 43 cm<br>Profondità: 33 cm<br>Altezza: 8,9 cm |
| Peso:                       | 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, $\pm 0.2$ 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                 |

## Contenuto della confezione:

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