

## OMNITRONIC NAT-88 Audio transmitter

CobraNet(TM) audio network transmitter

Art. No.: 10356480

GTIN: 4026397280814



**The article is no longer in our assortment.**

### 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.

### Logistic

EAN / GTIN: 4026397280814

Weight: 9,30 kg

Length: 0.55 m

Width: 0.46 m

Height: 0.24 m

## Features:

- Real-time audio transmission of the CobraNet(TM) signal
- 8 analog input channels (bal.)
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- 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)

## Technical specifications:

|                                          |                                                |
|------------------------------------------|------------------------------------------------|
| Power supply:                            | 100-240 V AC, 50/60 Hz                         |
| Power consumption:                       | 30,00 W                                        |
| Dimensions:                              | Width: 43 cm<br>Depth: 33 cm<br>Height: 8,9 cm |
| Weight:                                  | 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:                      | 8 (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:                      | 8 (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 |                                                |