# OMNITRONIC NAP-8OUT Audio processor

CobraNet(TM) audio network processor

**Art. No.: 10356420**

GTIN: 4026397280753

## 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: 4026397280753
Weight: 6,20 kg
Length: 0.53 m
Width: 0.43 m
Heigth: 0.17 m

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## Features:

- Processes 8 audio channels of the CobraNet(TM) signal
- 8 analog output channels (bal.)
- Independent MCU control for roperation without a PC
- CobraNet(TM) and Ethernet connection port
- 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)
- The DSP can be controlled via a simple graphic operation software
- Incl. configuration software with the following functions:
- Gain adjustment of the input channels
- Delays: 5 ms, 10 ms, 20 ms, 50 ms, 100 ms
- Routers: 4 x 4, 8 x 8, 16 x 16
- Mixers: 4 x 1, 4 x 2, 4 x 4, 8 x 1, 8 x 2, 8 x 4, 8 x 8
- Dynamics: Levelers, Compressors, Limiters, Noise Gates, Expanders, Clippers
- Signal generator: sine, white noise
- Equalizers: parametric equalizes, graphic equalizes
- Filters: Highpass, Lowpass, Highpass Shelving, Lowpass Shelving
- Crossovers: 2-way, 3-way, 4-way
- Level meters: 1-way, 2-way, 4-way, 8-way
- Incl. mounting brackets for 483 mm rack installation (19") (1 U)

## Technical specifications:

| | |
|---|---|
| Power supply: | 100-240 V AC, 50/60 Hz |
| Power consumption: | 30.00 W |
| Dimensions: | Width: 43 cm<br>Depth: 29.8 cm<br>Height: 4.45 cm |
| Weight: | 4.70 kg |
| DSP capability: | 200 MIPS, 40 bit floating point |
| 2 RJ-45 network connectors: | according to IEEE 802.3 standards |
| 1 RS-232 connector: | type D (9 pins) |
| Network input channels: | - |
| Network output channels: | 8 |
| Analog audio inputs: | - |
| Analog audio outputs: | |
| Number of channels: | 8 (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 45 x 298 mm |
| | Rack installation with 1 U with brackets |

## Scope of delivery:

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