OMNITRONIC NAP-8CH Audio processor

CobraNet(TM) audio network processor

Art. No.: 10356410

GTIN: 4026397280746

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: 4026397280746
Weight: 6,10 kg
Length: 0.53 m
Width: 0.43 m
Heigth: 0.17 m

Features:

- Processes 8 audio channels of the CobraNet(TM) signal
- 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 Depth: 29,8 cm Height: 4,45 cm
Weight:	4,50 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:	8
Network output channels:	8
Analog audio inputs:	-
Analog audio outputs:	-
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