NXAMP Digital Audio Input Extension Cards

NXAMPs can be fitted with EtherSound™, Dante™ or AES/EBU network cards.

NXES104
EtherSound™ Network Card

Key Features

- Extracts 4 audio streams (24 bits / 48 KHz) among the 2 x 64 channels of a ES100 Ethersound™ stream.
- IN and OUT port for simple daisy chain without any need for an external switch.
- 3rd Ethernet port for remote control of the whole network from any NXES104 card and ASIO streaming.

AES/EBU
NXAE104
AES/EBU and Remote Control Card

Key Features

- Receives 4 audio channels (24 bits / 44.1 – 96 kHz) in AES/EBU format.
- 2 x AES/EBU stereo input on XLR, one with AES/EBU buffered output on XLR with fail safe relay.
- 2 x switched RJ45 for remote control and daisy chain of the devices.

Dante™
NXDT104
Dante™ Network Card

Key Features

- Receives 4 audio streams (24 bits / 48 KHz) in Dante™ format.
- Remote control from any computer on a local area network using TCP/IP commands.
- Unique 3-port design can be used:
  - As an integrated 3 port gigabit switch
  - As two Dante™ redundant port plus an optional 3rd port for additional remote control

Specifications - NXES104 / NXAE104 / NXDT104

	NXES104	NXAE104	NXDT104
DIGITAL AUDIO FORMAT			
Digital audio type	Ethersound networks	AES/EBU	Dante™ networks
Media type	Dedicated Ethernet 100 Mb network	110 Ohms 3 wires twisted pair with XLR connector	Standard TCP/IP over Ethernet network, minimum 100 Mb, recommended 1 Gb
Number of channels	4 channels from network to NXAMP	4	4 channels from network to NXAMP
Resolution / Sample Rate	24 bits / 48 KHz	24 bits / 44.1 - 96 KHz	24 bits / 48 KHz
Latency	0.10 ms	1.4 ms to 2.4 ms	0.15 ms to 5.0 ms (typical 1 ms)
REMOTE CONTROL FORMAT			
Network format	Embeded in the Ethersound frame	Standard TCP/IP	Standard TCP/IP
Device addressing	Automatic, based on Mac address	Automatic, based on IP address with Zeroconf	Automatic, based on IP address with Zeroconf
FRONT PANEL FEATURES			
Digital audio connectors	2 shielded Neutrik Ethercon	2 x XLR-F and 1 x XLR-M	2 shielded Neutrik Ethercon
Additional port	RJ45 for additional remote control	2 x RJ45 for remote control	RJ45 for additional remote control
LEDs on digital audio ports	Tx and Rx on each port	None	Link/Act and Speed on each port
LEDs on remote port	Link and activity	Link and Activity	Link and activity
GENERAL SPECIFICATIONS			
Power supply	+ 3.3 Volts, 5 W from NEXO slot	+3.3 Volts, 2 W from NEXO slot	+ 3.3 Volts, 7 W from NEXO slot
Dimensions (W x D x H)	120 x 160 x 40 mm (NXAMP slot)	120 x 160 x 40 mm (NXAMP slot)	120 x 160 x 40 mm (NXAMP slot)
Weight	160 g	200 g	200 g
EMC certification	CE, FCC, ICES	CE, FCC	CE, FCC, ICES
Green Status	ROHS and REACH	ROHS and REACH	ROHS and REACH