

NXAMPmk2 Digital Audio Input Extension Cards

NXAMPmk2s can be fitted with EtherSound™, Dante™ or AES/EBU network cards.



AES/Dante™

NXAEDT

AES/Dante™ Network Card



**Ether
ES
Sound**

NXES104

EtherSound™ Network Card



AES/EBU

NXAE104

AES/EBU and Remote Control Card



Dante™

NXDT104MK2

Dante™ Network Card

KEY FEATURES

- Adds both AES/EBU and Dante™ inputs to NXAMPmk2 Powered Controllers.
- 4 channels of Dante™ inputs with Switched/Redundant mode and 44.1 kHz to 96 kHz digital audio support.
- 2 channels of AES/EBU inputs with buffered outputs and 44.1 kHz to 96 kHz digital audio support.
- Highly flexible 4 ports gigabit switch with 4 different configuration modes.
- Remote control ports configurable as separate network or from the Dante™ network.

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.

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.

KEY FEATURES

- Receives 4 audio channels (24 bits / 44.1 - 96 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

	NXAEDT		NXES104	NXAE104	NXDT104MK2
DIGITAL AUDIO FORMAT	AUDIO 1 INPUT	AUDIO 2 INPUT			
Digital audio type	Dante™ networks	AES/EBU	Ethersound networks	AES/EBU	Dante™ networks
Media type	Standard TCP/IP over 1 minimum 100 Mb / recommended 1 Gb ethernet network	110 Ohms 3 wires twisted pair with XLR connector	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 up to 4 different Dante™ devices	2	4 channels from network to NXAMPmk2	4	4 channels from network to NXAMPmk2
Resolution / Sample Rate	24 bits / 44.1, 48, 88.2 or 96 kHz	24 bits / 44.1, 48, 88.2 or 96 kHz	24 bits / 48 KHz	24 bits / 44.1 - 96 KHz	24 bits / 44.1 - 96 kHz
Latency	0.25 ms to 5.0 ms (typical 1 ms)	<0.07 ms	0.10 ms	1.4 ms to 2.4 ms	0.15 ms to 5.0 ms (typical 1 ms)
REMOTE CONTROL FORMAT	Standard TCP/IP		Embedded in the Ethersound frame	Standard TCP/IP	Standard TCP/IP
Network format	Standard TCP/IP		Embedded in the Ethersound frame	Standard TCP/IP	Standard TCP/IP
Device addressing	Automatic, based on IP address with Zeroconf		Automatic, based on Mac address	Automatic, based on IP address with Zeroconf	Automatic, based on IP address with Zeroconf
FRONT PANEL FEATURES	Standard TCP/IP		Embedded in the Ethersound frame	Standard TCP/IP	Standard TCP/IP
Digital audio connectors	4x shielded 1 Gb RJ45 connectors	1x XLR-F and 1x XLR-M buffered output with fail safe relay	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/Activity (Green) and Gigabit (Orange)		Link and activity	Link and activity	Link and activity
GENERAL SPECIFICATIONS	Standard TCP/IP		Embedded in the Ethersound frame	Standard TCP/IP	Standard TCP/IP
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 mm x 170 mm x 40 mm		120 mm x 160 mm x 40 mm (NXAMPmk2 slot)	120 mm x 160 mm x 40 mm (NXAMPmk2 slot)	120 mm x 160 mm x 40mm (NXAMPmk2 slot)
Weight	300 g		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