

AXI 44 AT

4 INPUT, 4 OUTPUT DANTE AUDIO INTERFACE



The Extron AXI 44 AT is a four input, four output Dante® audio interface for integrating audio sources onto a Dante-enabled audio network. Offering high performance in a compact form factor, the AXI 44 AT can easily be mounted under a desk, in a lectern, or in millwork.

- ▶ Four mic/line inputs for transmitting audio to a Dante® network
- ▶ Four line level outputs receive audio from a Dante network
- ▶ Dante audio networking provides a wide range of expansion capabilities
- ▶ Studio grade 24-bit analog-to-digital and digital-to-analog converters with selectable sampling rates up to 96 kHz
- ▶ Input select, gain, and phantom power controls located on front panel and configurable through DSP Configurator Software
- ▶ Power over Ethernet allows the AXI 44 AT to receive audio and power over a single Ethernet cable, eliminating the need for a local power supply
- ▶ 1U, quarter rack width metal enclosure

DESCRIPTION

The Extron **AXI 44 AT** is a quarter rack width audio interface for integrating four mic/line sources onto a Dante®-enabled audio system. It features four mic or line inputs and switchable 48 volt phantom power. Input select, gain, and phantom power settings are controllable from the front panel, via DSP Configurator Software, or by SIS command via USB. The AXI 44 AT also features four line level outputs for routing four Dante channels from the network to the audio system. The AXI 44 AT interfaces with any Dante-equipped audio product, such as an Extron DMP 128 Plus AT audio DSP processor, over a standard local area network, and can be powered through PoE. This allows a single network cable connection for bidirectional audio and power from a central equipment rack.

KEY FEATURES

- ▶ **Four mic/line inputs for transmitting audio to a Dante® network** – Each input accepts a balanced or unbalanced mic/line level signal on a captive screw connector and includes selectable 48 volt phantom power.
- ▶ **Four line level outputs receive audio from a Dante network** – Four channels of high quality digital audio can be routed from up to two local or remote devices via Dante and converted to line level analog audio, provided as balanced or unbalanced signals on a captive screw connector.
- ▶ **Dante audio networking provides a wide range of expansion options** – Dante-equipped audio products, including the AXI 44 AT, provide scalability for creating larger audio systems over a local area network using standard Internet protocols.
- ▶ **Studio grade 24-bit analog-to-digital and digital-to-analog converters with selectable sampling rates up to 96 kHz** – Professional converters fully preserve the integrity of the original audio signal, with selectable sampling rates via Dante Controller.
- ▶ **Input select, gain, and phantom power controls located on front panel and configurable through DSP Configurator Software** – Settings can be modified from the front panel, DSP Configurator Software, or SIS commands via USB.
- ▶ **Power over Ethernet allows the AXI 44 AT to receive audio and power over a single Ethernet cable, eliminating the need for a local power supply**
- ▶ **1U, quarter rack width metal enclosure** – Compact, durable enclosure can be discreetly installed under a desk, in a lectern, in millwork, or in an AV equipment rack.
- ▶ **Highly reliable, energy-efficient external universal power supply optional, part #70-1174-01**

SPECIFICATIONS

AUDIO		
Gain	Unbalanced output: -6 dB, balanced output: 0 dB	
Frequency response	20 Hz to 20 kHz, ±0.3 dB	
THD + Noise	<0.01% @ 1 kHz at maximum level	
S/N	Analog In to Digital Out 100 dB, 20 Hz to 20 kHz, at full-scale output (unweighted) Digital In to Analog Out 115 dB, 20 Hz to 20 kHz, at maximum balanced output (unweighted)	
Crosstalk	<-90 dB @ 1 kHz, fully loaded	
Output attenuation	-100 dB to 0 dB (in 1 dB steps)	
AUDIO INPUT		
Number/signal type	4 mono mic/line, balanced/unbalanced	
Connectors	(2) 3.5 mm captive screw connectors, 6-pole	
Impedance	>10k ohms, balanced/unbalanced	
Nominal level	+4 dBu when level is set to 0 dB gain, adjustable from -60 dBu to +4 dBu	
Maximum level	>+21 dBu (at rated THD + N) when input gain is set to 0 dB	
Equivalent input noise	<-120 dBV (1 µVrms) at 40 dB gain	
Input gain adjustment	0 dB to +42 dB, 3 dB steps, adjustable per input	
Mic phantom power	+48 VDC ±10%, can be switched on or off per input	
NOTE:	0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu; All nominal levels are at ±10%	
AUDIO OUTPUT		
Number/signal type	4 mono (or 2 stereo), balanced/unbalanced	
Connectors	(2) 3.5 mm captive screw connectors, 6-pole	
Nominal level	-10 dBV (316 mV) or +4 dBu (1.23 V)	
Maximum level (Hi-Z)	>+21 dBu balanced or >+15 dBu unbalanced	
AT PORTS – AUDIO TRANSPORT		
Transmission	Dante	
Connector	1 RJ-45 connector to Dante interface	
Inputs	4 channels Rx (2 flows, unicast or multicast)	
Outputs	4 channels Tx (2 flows, unicast or multicast)	
Audio format	Uncompressed, 24-bit, selectable at 44.1, 48, 88.2, or 96 kHz	
Latency	Deterministic, based on user selection: 1.0 ms (default), 2.0 ms, 5.0 ms	
GENERAL		
Power input requirements	12 VDC or Power over Ethernet (PoE 802.3at)	
Power supply (optional)	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts	
Power consumption	Device 7.0 watts Device and power supply 9.3 watts	
Cooling	Convection, vents	
Mounting	Rack mount Yes, with optional 1U high rack shelf Furniture mount Yes, with optional under-desk mounting kit	
Enclosure type	Metal	
Enclosure dimensions	1.66" H x 4.32" W x 6.00" D (1U high, quarter rack wide) (43 mm H x 110 mm W x 153 mm D)	
Product weight	0.65 lbs (0.3 kg)	
Warranty	3 years parts and labor	
NOTE:	All nominal levels are at ±10%	
Model	Version Description	Part number
AXI 44 AT	4 In, 4 Out Expansion Interface	60-1628-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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