AXI 22 AT

2 INPUT, 2 OUTPUT DANTE AUDIO INTERFACE

Dante®

The Extron AXI 22 AT is a two input, two output Dante® audio interface for integrating audio sources onto a Dante-enabled audio network. Offering high performance in a compact form factor, the AXI 22 AT can easily be mounted under a desk, in a lectern, or in millwork.

- Two mic/line inputs for transmitting audio to a Dante® network
- Two 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 22 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

Extron

DESCRIPTION

The Extron **AXI 22 AT** is a quarter rack width audio interface for integrating two mic/line sources onto a Dante®-enabled audio system. It features two 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 22 AT also features two line level outputs for routing any two Dante channels from the network to the audio system. The AXI 22 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

- **Two 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.
- **Two line level outputs receive audio from a Dante network** – Two channels of high quality digital audio can be routed from local or remote systems 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 22 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 22 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 #70-1175-01**

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	2 mono mic/line, balanced/unbalanced
Connector	(1) 3.5 mm captive screw connector, 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	2 mono (or 1 stereo), balanced/unbalanced
Connector	(1) 3.5 mm captive screw connector, 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	2 channels Rx (2 flows, unicast or multicast)
Outputs	2 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	4.4 watts
Device and power supply	6.2 watts
Cooling	Convection, no 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 22 AT	2 In, 2 Out Audio Expansion Interface	60-1627-01

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

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