

# AXI 22 AT

2 INPUT, 2 OUTPUT AUDIO  
EXPANSION INTERFACE WITH DANTE



- ▶ 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 power over a single Ethernet cable, eliminating the need for a local power supply
- ▶ Highly reliable, energy-efficient external universal power supply optional, part #70-775-01
- ▶ 1U, quarter rack width metal enclosure



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 with 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.



**Extron Electronics**  
INTERFACING, SWITCHING AND CONTROL

## 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. 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.
- ▶ **Power over Ethernet allows the AXI 22 AT to receive power over a single Ethernet cable, eliminating the need for a local power supply**
- ▶ **Highly reliable, energy-efficient external universal power supply optional, part #70-775-01**

## 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 output level	
S/N		
Analog In to Digital Out	110 dB, 20 Hz to 20 kHz at maximum input (unweighted)	
Digital In to Analog Out	115 dB, 20 Hz to 20 kHz at maximum output (unweighted)	
Crosstalk	<-90 dB @ 1 kHz, fully loaded	
CMRR	>65 dB @ 1 kHz	
Output attenuation	-100 dB to 0 dB (in 1 dB steps)	
AUDIO INPUT		
Number/signal type	2 mono mic/line, balanced/unbalanced	
Connectors	(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	
Connectors	(1) 3.5 mm captive screw connector, 6-pole	
Impedance	50 ohms unbalanced, 100 ohms balanced	
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/AES 67, software selectable	
Connectors	1 RJ-45 connector to Dante interface	
Inputs	2 channels Rx	
Outputs	2 channels Tx	
Sampling rate	Selectable in kHz: 44.1, 48, 88.2, 96	
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	9.3 watts	
Device and power supply	12.0 watts	
Cooling	Convection, no vents	
Rack mount	Yes, with optional 1U high rack shelf	
Furniture mount	Yes, with optional under-desk mounting kit	
Enclosure type	Metal	
Enclosure dimensions	1.75" H x 4.3" W x 6.0" D (1U high, quarter rack wide) (4.5 cm H x 10.9 cm W x 15.2 cm D)	
NOTE:	All nominal levels are at ±10%	
NOTE:	Specifications are subject to change without notice	
Model	Version Description	Part number
AXI 22 AT	2 In, 2 Out Expansion Interface	60-1627-01

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
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