

AXI 016

SIXTEEN OUTPUT AUDIO EXPANSION INTERFACE

- ▶ Adds sixteen channels of line level analog output to a DMP 128 Plus system
- ▶ Connects with a shielded CAT 6 cable to the EXP expansion port on the DMP 128 Plus
- ▶ Supports DSP systems that integrate a DMP 128 Plus and a DTP Crosspoint
- ▶ Front panel signal, clip and port LED's
- ▶ High signal density - 16 analog outputs in a compact 1U, half rack width enclosure



The Extron AXI 016 is a 16 output audio expansion interface for DMP 128 Plus systems. The AXI 016 connects to the EXP expansion port on the DMP 128 Plus, transforming the matrix from an 8 output device into a 24 output device.



Extron Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **AXI 016** is a half rack width, 16 output audio expansion interface for DMP 128 Plus audio DSP systems. The AXI 016 connects to the EXP expansion port of the DMP 128 Plus, transforming the matrix from an 8 output device into a 24 output device. Since all of the high performance, low-latency DSP occurs within the connected DMP 128 Plus, no separate configuration is needed for the AXI 016. The AXI 016 audio expansion interface also supports audio DSP systems that integrate a DTP CrossPoint® matrix switcher.

Offering 16 analog outputs, in a compact 1U, half-rack width enclosure, the AXI 016 provides a powerful tool for AV system designers to create DMP 128 Plus systems that support larger distributed audio applications that were previously not possible using a single DMP 128 Plus DSP processor.

Expanded Routing Across a Single ProDSP processor

The DMP EXP expansion port allows the AXI 016 to be linked together with a DMP 128 Plus unit via a single shielded CAT 6 cable. This creates a 24 output 24-bit/48 kHz system, allowing larger distributed audio applications to be configured with less hardware. Designers can create flexible, advanced output signal management scenarios expanding the capabilities of a single DMP 128 Plus processor. When connected to a DTP CrossPoint matrix switcher with the EXP THRU port on the AXI 016, the DTP CrossPoint expansion outputs are routed to the DMP 128 Plus expansion inputs.

Flexible Routing Within the DMP 128 Plus

The DMP 128 Plus models feature an extensive mix matrix allowing all outputs, including the 16 expansion bus outputs used by the AXI 016, to be discretely sourced and routed from any input. When

used with a DMP 128 Plus AT model, Dante audio sources can also be processed and routed to the outputs of the AXI 016.

Easy-to-Use DSP Configurator Software

The power of ProDSP is easily harnessed with the DSP Configurator Software. The flexible on-screen layout offers fast access to all of the digital audio signal processing tools. Designers can quickly get a snapshot view of the entire audio system, including processing blocks and routing assignments, all at once.

KEY FEATURES

- ▶ **Adds sixteen channels of line level analog output to a DMP 128 Plus system** – Provides a cost effective approach as well as enables larger, more powerful systems to be run from a single DMP 128 Plus.
- ▶ **Connects with a shielded CAT 6 cable to the EXP expansion port on the DMP 128 Plus**
- ▶ **Supports DSP systems that integrate a DMP 128 Plus and a DTP CrossPoint** – The DTP CrossPoint EXP port can connect to a DMP 128 EXP port via the THRU port on the AXI 016 to function as an integrated system.
- ▶ **Front panel signal, clip, and port LED's** – The AXI 016 provides LED's on the front panel for each input and output, for real-time monitoring of signal presence. A separate LED for each output illuminates as a warning whenever signal clipping is detected.
- ▶ **High signal density - 16 analog outputs in a compact 1U, half rack width enclosure**
- ▶ **Energy-efficient, external universal power supply included** – Provides worldwide compatibility, low power consumption, reduced operating costs, and ZipClip compatibility.

SPECIFICATIONS

AUDIO	
Frequency response	20 Hz to 20 kHz, ±0.2 dB
THD + Noise	<0.01%, 20 Hz to 20 kHz at maximum level
S/N	
Digital In to Analog Out	>115 dB, 20 Hz to 20 kHz, at maximum output (unweighted)
Crosstalk	<-90 dB @ 20 Hz to 20 kHz, fully loaded
AUDIO OUTPUT	
Number/signal type	16 mono (or 8 stereo), balanced/unbalanced
Connectors	(8) 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
EXP PORT	
Transmission	Proprietary
Connectors	2 RJ-45 female connectors
Inputs	16 channels Rx

Outputs	16 channels Tx	
Audio format	24-bit, 48 kHz sampling, uncompressed	
EXP cable	Shielded CAT 6 up to 10 meters (1 foot cable included)	
GENERAL		
Power supply	External	
Input	100-240 VAC, 50-60 Hz	
Output	12 VDC, 1.5 A	
Mounting		
Rack mount	Yes, with optional 1U rack shelf	
Furniture mount	Yes, with optional under-desk mounting kit	
Enclosure dimensions	1.7" H x 8.7" W x 6.0" D (1U high, half rack wide) (4.3 cm H x 22.1 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 016	16 Output Audio Expansion Interface	60-1690-01

For complete specifications, please go to www.extron.com
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