

Tesira® EX-MOD 12-Channel Modular Expander DATA SHEET



The Tesira® EX-MOD is a modular expander device that is designed for use with Tesira SERVER and SERVER-IO devices. It can be configured with up to three 4-channel input and/or output expander cards for a maximum of 12 channels. The EX-MOD expander communicates with the Tesira AVB network for audio networking, configuration and control.

BENEFITS

- Offers remote placement of input and output capabilities
- Exact I/O configuration can be customized specifically for the local zone
- Modular design allows for flexibility to change or expand the local system

FEATURES

- Up to 3 I/O cards: EIC-4, EOC-4 and EIOC-4
- Up to 12 channels of analog audio
- AVB connection to Tesira system for audio networking, configuration and control
- Plug-in barrier strip connections on cards
- Front panel LEDs for device status indications
- Internal universal power supply
- Rack mountable (1RU)
- CE marked, UL listed, RoHS compliant
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The modular expander shall be designed exclusively for use with Tesira SERVER and SERVER-IO devices. The expander shall be capable of handling up to 3 cards of 4 channels each for a total of 12 channels of analog audio inputs and outputs in various combinations. The expander shall utilize the AVB network for all audio networking as well as software configuration and control. The expander shall have a universal internal power supply: 100 – 240VAC, 50/60Hz. The expander shall provide front panel LED identification of device power, status, alarm, and activity. The expander shall be rack mountable (1RU) and shall be CE marked, UL listed and shall be compliant with the RoHS directive. Warranty shall be five years. The expander shall be a Tesira EX-MOD.

EX-MOD SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-0.25dB	Phantom Power:*	+48 VDC (7mA/input)
THD+N (20Hz~20kHz):*		Input Gain Range (6dB steps):*	0 - 66dB
@ 0dB Gain, +4dBu In	< 0.006%		
@ 54dB Gain, -50dBu In	< 0.040%		
EIN (20Hz~20kHz, 66dB Gain, 150 ohm):	< -125dBu	Sampling Rate:	48kHz
Dynamic Range (20Hz~20kHz, 0dB):	> 108dB	A/D – D/A Converters:	24-bit
Input Impedance (balanced):	8k ohm	Power Consumption (100~240VAC 50/60Hz):	< 40W
Output Impedance (balanced):	200 ohm	Overall Dimensions:	
Cross Talk (channel to channel @ 1kHz):		Height:	1.75 inches (44 mm)
@ 0dB Gain, +4dBu In	< 85dB	Width:	19.0 inches (483 mm)
@ 54dB Gain, -50dBu In	< 75dB	Depth:	10.5 inches (267 mm)
Maximum Input:	+24dBu	Weight:	7 lbs (3.2 kg)
Maximum Output:	+24dBu	Compliance:	FCC Part 15B (USA)
			CE Marked (Europe)
			C-Tick (Australia)
			RoHS Directive (Europe)

EX-MOD BACK PANEL

