DATA SHEET
TESIRA® EX-MOD
12-CHANNEL MODULAR EXPANDER



The Tesira® EX-MOD is a modular expander device that is designed for use with Tesira SERVER, SERVER-IO, and TesiraFORTÉ AVB devices. It can be configured with up to three 4-channel input and/or output expander cards for a maximum of 12 channels. The cards include EIC-4 (4 channels of mic/line level audio input), EEC-4 (4 channels of mic/line level audio input with AEC (acoustic echo cancellation)), EOC-4 (4 channels of mic/line level audio output) and EIOC-4 (2 input and 2 output of mic/line level audio). The EX-MOD expander communicates with the Tesira AVB network for audio networking, configuration, and control.

BENEFITS

- Up to three I/O cards in any combination: EIC-4, EEC-4, EOC-4, and EIOC-4
- 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 system

FEATURES

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

biamp.

ARCHITECTS & ENGINEERS SPECIFICATION

The modular expander shall be designed exclusively for use with Tesira SERVER, SERVER-IO, and TesiraFORTÉ AVB devices. The expander shall be capable of handling up to three cards of four 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 5 years. The expander shall be Tesira EX-MOD.

TESIRA EX-MOD SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-0.25dB
THD+N (20Hz~20kHz):	
@ 0dB Gain, +4dBu In:	< 0.006%
@ 54dB Gain, -50dBu In:	< 0.040%
EIN (20Hz~20kHz, 66dB Gain, 150Ω):*	< -125dBu
Dynamic Range (20Hz~20kHz, 0dB):*	> 108dB
Tail Length:**	up to 300ms
Convergence:**	up to 100dB/sec
Input Impedance (balanced):*	8kΩ
Maximum Input:*	+24dBu
Input Gain Range (6dB Steps):	0 - 66dB
Output Impedance (balanced):***	200Ω
Maximum Output:***	+24dBu
Power Consumption (100~240VAC 50/60Hz):	< 40W

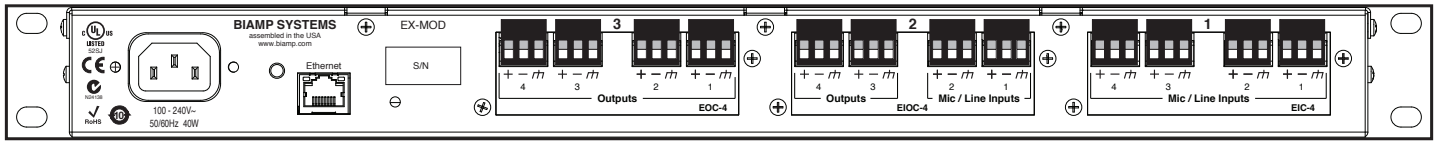
Phantom Power:*	+48 VDC (7mA/input)
Cross Talk (channel to channel @ 1kHz):*	
@ 0dB Gain, +4dBu In:	< -85dB
@ 54dB Gain, -50dBu In:	< -75dB
Overall Dimensions:	
Height:	1.75 inches (44 mm)
Width:	10.5 inches (267 mm)
Depth:	19.0 inches (483 mm)
Weight:	7 lbs (3.2 kg)
Sampling Rate:	48kHz
A/D - D/A Converters:	24-bit
Compliance:	
	FCC Part 15B (USA)
	CE marked (Europe)
	UL and C-UL listed (USA & Canada)
	RCM (Australia)
	EAC (Eurasian Customs Union)
	RoHS Directive (Europe)

* Specification applies to EIC-4, EEC-4, or input channels of EIOC-4

** Specification applies to EEC-4

*** Specification applies to EOC-4 or output channels of EIOC-4

TESIRA EX-MOD BACK PANEL



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