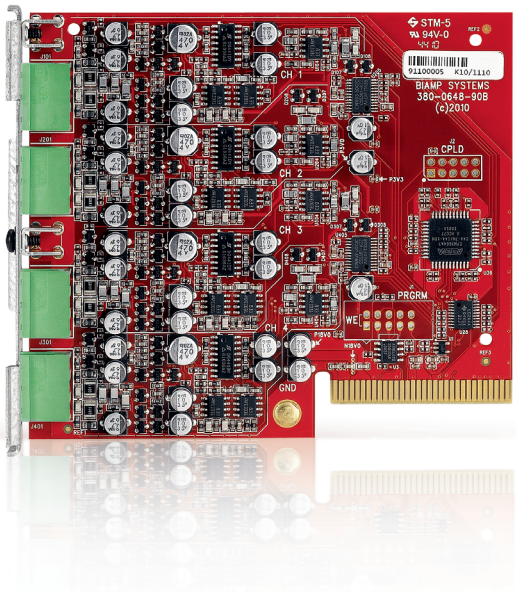
BIAMP®

Tesira® SIC-4
4-Channel Mic/Line Modular Input Card
DATA SHEET



The Tesira® SIC-4 is a modular analog input card for use with Tesira SERVER and SERVER-IO devices. Each SIC-4 provides 4 channels of Mic or Line level audio input. The inputs are electrically balanced and provided on plug-in barrier strip connectors. Software control of each input includes gain with clip indicator, +48V phantom power, mute, level and signal invert.

BENEFITS

- Modular I/O cards can be mixed-and-matched both in Tesira SERVER and Tesira SERVER-IO
- Large input gain sensitivity allows for analog input from virtually any source
- Fully configurable and controllable with software
- Premium quality pre-amp for clean, natural sound

FEATURES

- 4 channels of balanced mic or line level input
- Plug-in barrier strip connectors
- 0 – 66dB gain, adjustable in 6dB increments
- Clip indicator
- +48V Phantom Power
- -100 to +12dB fader range for level
- Signal invert for reverse polarity
- RoHS compliant and AES grounded
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The mic/line input shall be a 4-channel card designed exclusively for use with Tesira Server devices. The modular card shall provide 4 balanced inputs on plug-in barrier strip connections. Software configuration and control for each input shall include: gain with clip indication, phantom power on/off, mute, level, and signal invert. Analog-to-Digital conversion shall be 24-bit with a sampling rate of 48kHz. Performance specifications (20Hz˜20kHz) shall be: Frequency Response +0/-0.25dB; THD+N <0.006% (line), <0.040% (mic); EIN <-125dBu; and Dynamic Range >108dB. The modular input card shall incorporate AES48-2005 Grounding and EMC practices and shall be compliant with EU Directive 2002/95/EC, the RoHS Directive. Warranty shall be 5 years. The input card shall be Tesira SIC-4.

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SIC-4 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	**Cross Talk (channel to channel @ 1kHz):**	
		@ 0dB Gain, +4dBu In	< 85dB
		@ 54dB Gain, -50dBu In	< 75dB
Dynamic Range (20Hz~20kHz, 0dB):	> 108dB	**Sampling Rate:**	48kHz
Input Impedance (balanced):	8k ohm	**A/D Converters:**	24-bit
Maximum Input:	+24dBu	**Compliance:**	AES48-2005 Grounding and EMI practices
Maximum Gain:	66dB		EU Directive 2002/95/EC, RoHS Directive