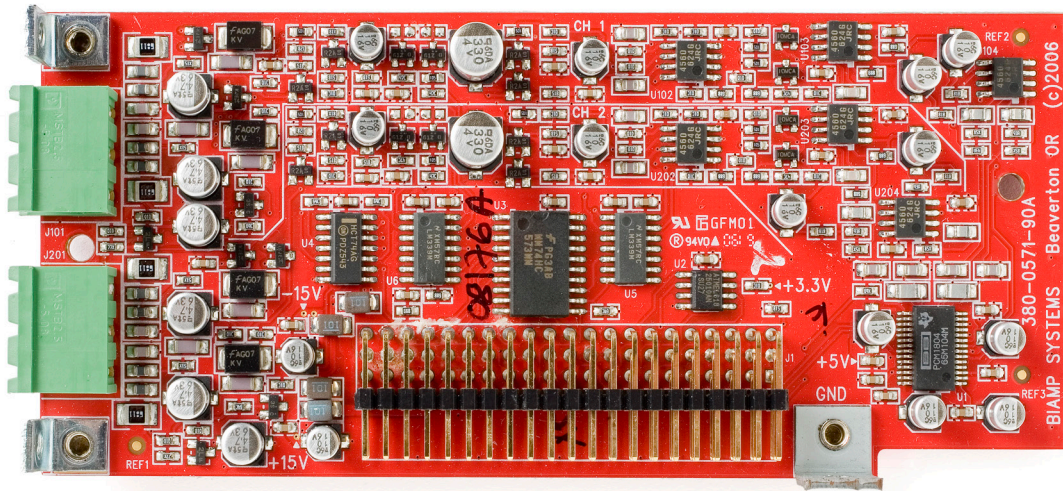




Audia® IP-2 Input Card Dual-Channel Mic/Line Inputs



IP-2 input cards allow each AudiaFLEX installation to have the quantity and type of inputs required. Each IP-2 Card provides two channels of mic/line input, as part of AudiaFLEX hardware. Inputs are balanced, and are provided on plug-in barrier strip connectors. Software control of individual inputs includes: gain w/ peak indication; +48V phantom power; mute; level; and signal invert.

FEATURES

- Each card provides two mic/line input channels
- Integrates seamlessly into AudiaFLEX systems
- Balanced inputs on plug-in barrier strip connectors
- 0~66dB gain range for microphone or line sources
- Input peak indication provides 6dB of headroom
- +48V phantom power for condenser microphones
- -100~+12dB level fader range for volume control
- Invert function allows 180° signal polarity reversal
- **RoHS** compliance and **AES** grounding practices
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The mic/line inputs shall be a two-channel input card for AudiaFLEX hardware. Each input channel shall provide two balanced analog mic/line inputs on plug-in barrier strip connectors. Software adjustment of individual inputs shall include: gain w/ peak indication; +48V phantom power; 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/-0.4dB; THD+N < 0.006% (line) < 0.04% (mic); EIN -125dBu; and Dynamic Range > 108dB. The mic/line input card shall incorporate AES48-2005 Grounding & EMC practices, and shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years.

The mic/line inputs shall be an IP-2 Input Card for AudiaFLEX.

Audia® IP-2 Input Card SPECIFICATIONS

Frequency Response (20Hz-20kHz @ +4dBu):	+0/-0.4dB	Crosstalk (channel-to-channel @ 1kHz):	
		line level	< -80dB
		mic level	< -75dB
THD +N (20Hz-20kHz @ +4dBu):		Phantom Power:	+48 VDC (7mA/input)
line level (0dB gain)	< 0.006%		
mic level (54dB gain)	< 0.04%	Input Gain Range (variable trim):	0dB - +66dB
Equivalent Input Noise		Sampling Rate:	48kHz
(20Hz-20kHz, 66dB gain, 150 ohm):	-125dBu	A/D Converters:	24-bit
Dynamic Range (20Hz-20kHz, 0dB gain):	>108dB	Compliance:	AES48-2005 Grounding & EMC practices EU Directive 2002/95/EC, RoHS directive
Maximum Gain (input channels):	66dB		
Input Impedance (mic/line balanced):	8k ohms		
Maximum Input (mic/line):	+24dBu		

