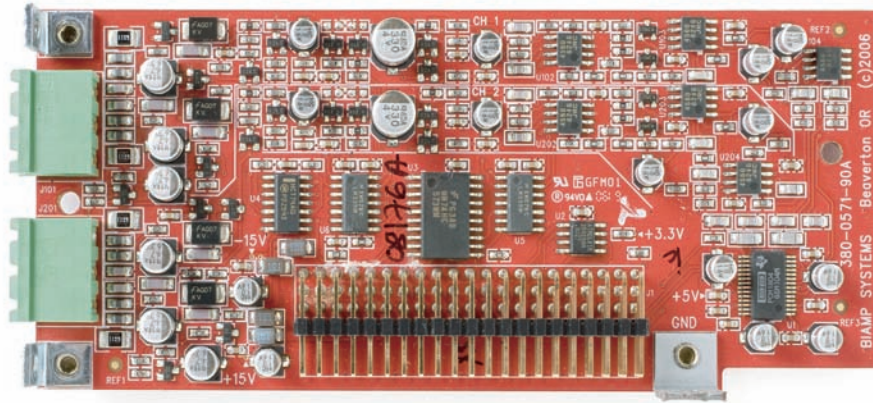




## Audia® IP-2 Input Cards Dual-Channel Mic/Line Inputs



**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

## Audia® IP-2 Input Card SPECIFICATIONS

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



## 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.