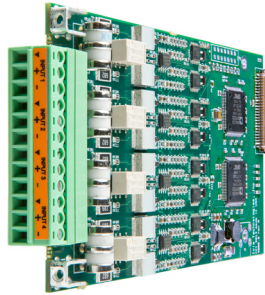


4 Channel Mic/Line Input Module With Acoustic Echo Cancelling DATASHEET



The QUAD-AEC is a 4 channel modular analog input card for use with Ivie MAP series devices. Each Quad-AEC provides 4 channels of balanced mic/line audio input with Automatic Echo Cancellation (AEC). Inputs are electrically balanced and provided on euro-block connectors.

BENEFITS

- Modular compatibility with any iFlex MAP mixer product
- Large gain sensitivity with 0-60 dB range in 6 dB steps
- Premium quality Echo Cancelling with fast convergence
- Fully software programmable/controllable
- 1U Rack footprint

FEATURES

Frequency response(20 Hz - 20 KHz)	+0/- 0.25dB	Maximum Input	+24dBu
THD+N (20 Hz - 20KHz)	.01%@10dBV Output	Input Gain Range (6 dB steps)	0 - 60 dB
Equivalent Input Noise (20 Hz - 20 KHz)	< -125dBu	Sampling Rate	48 KHz
Dynamic Range (20Hz - 20KHz, 0dB)	> 108dB	A/D - D/A Convertors (bit rate)	24-bit
Tail Length	up to 300ms	Phantom Power	48V open circuit 14mA short circuit
Convergence	up to 100dB/sec	Compliances	EU Directive 2006/95/EC EU Directive 2004/108/EC RoHS Directive 2002/95/EC
Crosstalk (channel to channel @ 1 KHz)	< -75dB		
Input Impedance			
Line (balanced)	30 KOhms		
Mic (balanced)	2 KOhms		

ARCHITECTS & ENGINEERS SPECIFICATION

The mic/line input shall be a 4-channel card designed exclusively for use with iFlex MAP devices. The modular card shall provide 4 balanced inputs with Automatic Echo Cancelling on euro-block connections. Software configuration and control for each input shall include: gain, phantom power, mute, level, and signal inversion. 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 <0.01% @10dBV Output; EIN <-125dBu; and Dynamic Range >108dB. The modular input card shall be compliant with EU Directive 2006/95/EC, EU Directive 2004/108/EC, and EU Directive 2002/95/EC, the RoHS Directive. Warranty shall be 5 years. The input card shall be QUAD-AEC.