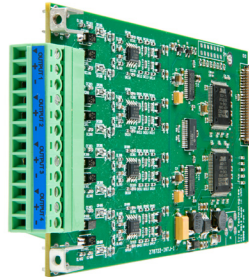


**4 Channel DSP Line Output Module  
DATASHEET**



The QUAD-FIR is a modular analog output card with DSP processing for use with Ivie MAP series devices. Each QUAD-FIR provides 4 channels of balanced line level output with in-line DSP processing for programmable FIR filters. Audio channels are software programmable for filter coefficient files, and controllable for level, and signal invert.

**BENEFITS**

- Modular compatibility with any iFlex MAP mixer product
- In-line DSP processing for demanding FIR speaker applications
- Fully software programmable/controllable
- 1U Rack footprint

**FEATURES**

Frequency response(20 Hz - 20 KHz)	+0/- 0.25dB	Sampling Rate	48 KHz
THD+N (20 Hz - 20KHz )	.01%@10dBV Output	D/A Convertors (bit rate)	24-bit
Equivalent Input Noise (20 Hz - 20 KHz)	< -125dBu	Compliances	EU Directive 2006/95/EC EU Directive 2004/108/EC RoHS Directive 2002/95/EC
Dynamic Range (20Hz - 20KHz, 0dB)	> 108dB		
Crosstalk	< -75dB		
Output Impedance	200 Ohms		
Maximum Output	+24dBu		

**ARCHITECTS & ENGINEERS SPECIFICATION**

The line output shall be a 4-channel card designed exclusively for use with iFlex MAP devices. The modular card shall provide 4 balanced outputs with in-line DSP proceessin on euro-block connections. Software configuration and control for each output shall include:FIR filter coefficients, mute, level, and signal inversion. Digital to Analog 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% +24V dBu Output; and Dynamic Range >108dB. The modular output 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 output card shall be QUAD-FIR.