

DIGITAL SIGNAL PROCESSING

OCTO Digital Signal Processor

Full matrix 8X8 digital signal processor.

OCTO

OCTO – 8 input and 8 output full matrix DSP platform for microphone and line level audio processing. High performance 48 kHz sampling rate 24 bit AD/DA converters. Processor configuration can be done in real time with computer via Ethernet. All inputs have compressors, equalizer, gate and audio gain functions and are designed for both line mic level audio signals. Phantom power, sine wave, pink and white noise generators, auto mixer, priority control. Automatically adjust output level according ambient noise microphone measurements. Limiter and EQ designed for all outputs. GPIO programmable inputs and outputs. User friendly and intuitive operation software.



Technical Specifications	OCTO
Power supply	~ 110 V - 230 V / 50 - 60 Hz
Power consumption	44 W
Input type	Balanced
Phantom power	+ 48 V
Input impedance	2 k Ω
Output impedance	100 Ω
Maximum level	+20 dBu
Maximum gain	-24 dBu
Frequency response	20 Hz - 20 kHz
Distortion	0,005% @ 1 kHz
Connectors	Inputs & outputs - Phoenix connectors, RS 232 - D-SUB 9, RS 485 - Phoenix, Ethernet - RJ 45
Sampling rate	48 kHz
AD/DA converters	24 bit
Channel isolation	100 dBu
Dynamic range	110 dBu
Weight	4,6 kg
Dimensions	483 mm x 304 mm x 44 mm