

OCTO

FULL MATRIX 8X8 DIGITAL SIGNAL PROCESSOR

The OCTO is a fully configurable 8-input, 8-output matrix DSP platform supporting both microphone and line-level signals. Featuring 24-bit AD/DA converters at 48 kHz, it provides precise audio performance across all channels. Inputs include parametric EQ, compressor, gate, gain adjustment, and phantom power. Outputs are equipped with EQ and limiters. Integrated signal generators (sine, pink, white noise), auto mixing, and priority routing support advanced processing scenarios. Ambient noise-compensated volume adjustment is included. Control is accessible via Ethernet, and GPIO ports provide flexible integration into third-party systems. Configuration software is user-friendly and designed for real-time tuning.



Technical Specifications	OCTO
Power supply	~ 110-230 V, 50/60 Hz
Power consumption	44 W
Input type	Balanced
Input impedance	2 k Ω
Phantom power	+ 48 V
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 RS-232: D-SUB 9 RS-485: Phoenix Ethernet: RJ-45
AD / DA converter	24 bit
Sampling rate	48 kHz
Channel isolation	100 dBu
Dynamic range	110 dBu
Supported OS	Windows
Dimensions	483 mm x 304 mm x 44 mm
Weight	4.6 kg



Control software
for Windows OS

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Front panel view



Rear panel view

