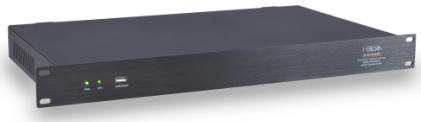
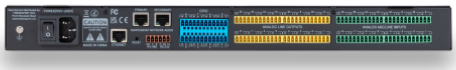
SONIX M1616D

16In-16Out DSP Audio Matrix with built-in 16x16 Dante™ Channels

The SoniX M1616D digital matrix, thanks to its powerful and flexible hardware and software architecture, is designed to be the heart of multi-zone audio systems for various types of installations. Its sophisticated processing, the quality of the AD and DA converters, the presence of a built-in card with 16 additional DANTE™ digital inputs and outputs, the advanced audio processing features with patented algorithms including Echo Cancellation, Feedback Suppression, Noise Suppression, and Automatic Gain, the 8 GPIO ports for integration with other equipment, and the powerful PC control software make it suitable for both conference solutions and multi-zone systems with up to 16 sources and 16 outputs.







PRODUCT DETAILS

Key features

Analog Device SHARC® chipset
Capacity up to 400MIPS, 1600MFLOPS
32-bit and 40-bit Floting-Point Processing
Full Channel Audio Signal Matrix
16 Line/Mic Inputs x 16 Analog Outputs
Built-in Dante™ 16x16 Channels
AEC (Echo Cancellation), AFS (Feedback Suppression)
ANS (Noise Suppression), AGC (Automatic Gain),
Auto Mixer, Ducker function
12 band PEQ, 1200ms Delay & Limiter on Outputs
8x GPIO ports
16 Presets for recall
USB Audio Player/Recorder
Support Camera Tracking

Specifications

Processor	ADI SHARC 21489(x2)
Sampling rate/Digitalizing bit	48K/24bit
Input Gain	from 0dBu to 48 dBu
Phantom Power	48V
Frequency Response	20~20KHz ±0.3dB
Maximum Level	+18dBu
THD + Noise	0.003%@4dBu
Input Dynamic Range	110dB
Output Dynamic Range	112dB
Background Noise (A-weighted)	-91dB
Common Mode Rejection Ratio @60Hz	80dB
Channel Isolation @1KHz	108dB
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	600Ω
System Delay	<3ms
Working Power	AC110~240V 50Hz-60Hz
Maximum Power Consumption	<40W
Dimensions (WxDxH)	482 x 260 x 45mm (19 x 10.2 x 1.8 in)
Shipping Weight	4Kg – 8.8 lbs.