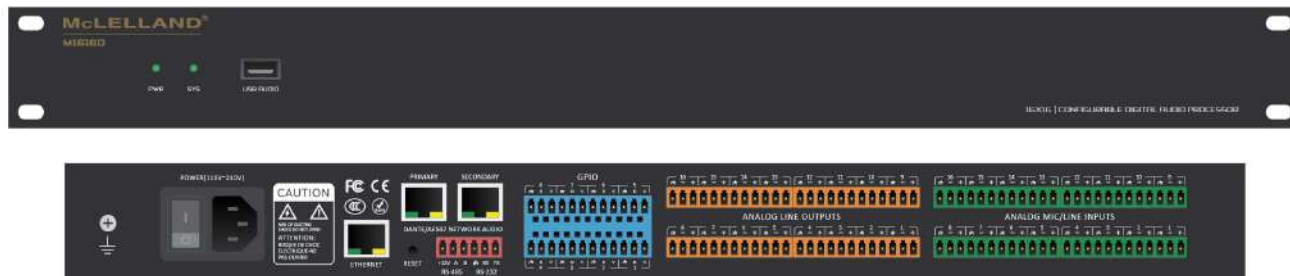


M1616D | Audio Processor ▶▶▶▶▶



FEATURE:

- * Analogue input channels: 16
- * Analogue output channels: 2
- * Dante input channels: 16
- * Dante output channels: 2
- * Processor: ADI SHARC 21489@450 MHz SIMD x 2.
- * DSP processing capacity: 400 MIPS, 1.6 GFLOPS.
- * The processing software can be configured, and each channel can freely replace the processing module according to the demand.
- * Provide 8 devices for simultaneous online operation.
- * Bus type AEC, maximum echo tail time: 512ms, convergence rate: 60dB/S, echo cancellation amplitude: 60dB.
- * Independent channel AFC (Feedback Suppression), using notch algorithm to increase the sound transmission gain:10dB.
- * Adaptive Noise Suppression (ANS), no need to rely on a huge database of noise characteristics, built-in noise Elimination technology improves the signal-to-noise ratio of sound collection by 18dB.
- * Automatic gain (AGC), automatic control signal waveform and tone in the appropriate range, automatic gain Control: -6dB to +18dB, automatic equalization control: -12dB to +12dB.
- * Ducker, noise gain compensator (ANC), gain sharing automatic mixing (AM), gate automatic mixing (Gate Mixer).
- * End-user customizable interface, supporting up to 30 devices with the same interface management.
- * Support camera tracking.
- * 8 channels GPIO.
- * With the central control function, supports three control methods of RS232, RS485, and UDP, and can control the power supply, signal switching, environmental control, audio, etc. in the system as a whole, and realize the functions required to open the system with a single click.

SPECIFICATIONS:

Processor:	ADI SHARC 21489
Sampling rate/quantization bits:	48K/24bit
Number of analog input and output channels:	16x16
Input gain:	10/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45 dBu
Phantom power:	+48V/10mA max
Frequency response (20-20kHz):	30.15dB
Maximum level:	+18dBu
THD+N:	<-94dB @17dBu
Input dynamic range:	110dB
Output dynamic range:	112dB
Channel isolation @1kHz:	108dB
Input impedance (balanced connection):	5.4K Ω
Output impedance (balanced connection):	600 Ω
System delay:	<3ms
Power supply:	AC110-240V, 50Hz/60Hz
Dimensions (WxDxH):	482 x 260 x 45mm
Shipping weight:	4KG