DAM-0808

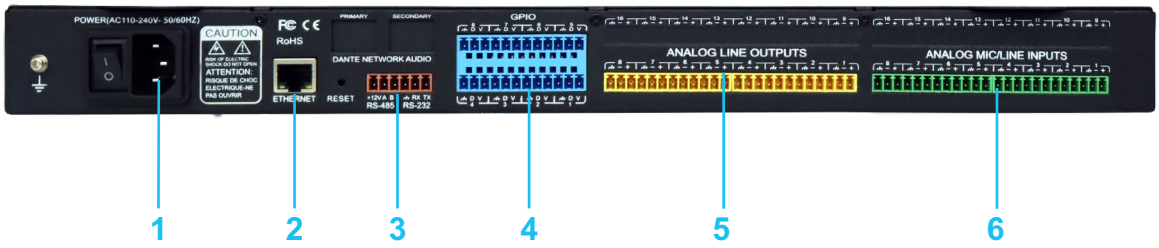
8x8 Digital Audio Matrix Processor



Product Features

- Supports up to 8 fixed analog audio inputs, which can be connected via removable balanced phoenix connectors. Each audio input can be tailored to specific needs by flexibly adjusting the audio source connections.
- DSP capability：400 MIPS; 1.6 GFLOPS.
- Definable UI for managing all audio channels via web browser. It supports the configuration of max. 20 units and 8 users at the same time.
- Equipped USB port to connect with PC to perform remote meeting and video captruing.
- Supports adaptive echo cancellation (AEC): switch between three modes - Moderate, Conservative, and Aggressive.
- Supports adaptive feedback control (AFC): built-in de-reverberation algorithm, auto-gain control, and amplification gain of greater than 16dB.
  Built-in automatic noise suppression (ANS): making the SNR increase 18db.
- Supports AGC: auto-gain control -6dB~+18dB; auto-balance control -12dB~+12dB.
- Equipped functions such as Automatic Mute (Ducker), Automatic Volume Control (ANC), Gain Sharing Automatic Mixing (AM), and Gate Mixer.
- Centralized control via RS-232, RS-485, and UDP: easily connect the third-party equipment such as PTZ cameras.

Rear Panel



1. Power: 110-240V AC 50/60Hz with power switch.
2. Ethernet connector: 10/100 Base-T Ethernet connector for PC software and TCP / IP API control.
3. RS232 + RS485 interface: for connecting to a third-party control device.
4. GPIO terminal: 8-channel logic output, with 4 pairs of universal grounding pins. After being activated, the logic output will be low (0V), and the internal voltage will be higher (5V) when being not activated. You may directly light up external LED indicator. The logic output can be driven by the logic output control module in the device design. Polarity and threshold can be set in the software.
5. OUTPUT analog output interface: connects with amplifiers and loudspeakers.
6. INPUT analog input interface: connects with microphones, DVD players, etc.

Specifications

Audio

Processor	ADI SHARC 21489 (x2)
Sampling rate	48K/24bit
Input gain	0/10/20/30/40/43dBu
Ouput level	0/-6dB
Phantom power	48V
Frequency Response	20~20KHz ±0.5dB
Max. level	+24dBu
THD + Noise	0.003%@4dBu
Dynamic range	113dB
Background noise (A-weighted)	-90dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1KHz	108dB
Input impedance (Balanced)	5.4KΩ
Output impedance (Balanced)	102Ω
System Delay	<3ms

Physical Properties

Dimensions (WDH)	482 X 260 X 45mm
Shipping weight	3Kg
Operating temperature	30°C / 86°F

Power Supply

Working power	AC110~240V 5Hz~60Hz
Max. power consumption	<40W

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