



DESCRIPTION

DS-8D8DAP is a high-performance 8x8 Dante Audio Processor designed for professional audio installations. Equipped with advanced digital signal processing (DSP) and Dante audio networking, this versatile device ensures seamless audio distribution and processing for demanding applications in commercial, entertainment, and conference environments.

FEATURES

- Digital Integration: Combines multiple analog audio processing functions into a digital processor.
- High-Performance DSP: 32-bit floating-point processor with fast AGC, AM, AFC, AEC, Compressor, ANS processing.
- Superior Audio Conversion: 24bit/48KHz A/D & D/A conversion for high-quality sound.
- I/O Channels: 8 analog inputs & 8 analog outputs, low distortion, ultra-low noise.
- Expandable Interfaces: Supports various interface expansions.
- Dante Network Support: Ensures stable and fast audio transmission.
- User-Friendly Control: Graphical, intuitive software interface.
- Advanced Mixing: Comprehensive matrix mixing functions.
- Scene Storage: Stores up to 100 scenes, with exportable backups for easy recall.



SPECIFICATIONS

Input Interfaces	8
Output Interfaces	8
Control Interfaces	1 RJ45 interface, 1 RS232 interface, 1 RS485 interface, 8 GPIO control interface
Processor	TI 456MHz FLOPS dual-core 32-bit DSP processor; 24-bit A/D and D/A converter, 48kHz sampling rate
Phantom Power	DC 48V
Input Impedance	Balanced: 20K Ω
Output Impedance	Balanced: 100 Ω
Common Mode Rejection Ratio	>60dB@50Hz
Input Dynamic Range	108dB
Frequency Response	20Hz~20KHz, ± 0.2 dB
Input Gain Range	0-66dB (6dB steps)
Signal-to-Noise Ratio	≤ 108 dB
Harmonic Distortion + Noise	$\leq 0.003\%$ @1kHz, +4dBu
Channel Isolation	>100dB@1kHz
Input Range	$\leq +18$ dBu (A-Weighted)
System Delay	≤ 9 ms
Maximum Output Level	18dBu
Maximum Input Level	18dBu
Analog/Digital Dynamic Range	114dB
Digital/Analog Dynamic Range	120dB
Equivalent Input Noise	≤ -125 dBu
Working Voltage	100V-240V AC, 50Hz/60Hz
Product Dimension (L×W×H)	600mm×260mm×40mm

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