

AP1208NX

Digital Audio Processor-AP Series

12 In x 8 Out + 8 Flex Channels



Features

- **Open Architecture Platform:** Upgraded to a fully open architecture, the system allows modular DSP programming with drag-and-drop functionality for flexible audio signal routing and editing. Intelligent features such as one-click wiring and module alignment greatly enhance DSP programming efficiency and convenience.
- **Custom Analog Channels:** The device provides 8 custom analog channels, each of which can be freely configured as input or output by the user, allowing the processor to flexibly adapt to various application scenarios.
- **Multi-Channel Player:** Built-in 8-channel player with 64GB of memory, enabling music files to be uploaded to the device via a web interface.
- **Multiple Backup Mechanisms:** Supports dual-unit hot backup and dual-unit mirroring, with dedicated diagnostic protocols and ports for reliable system redundancy, also supports dual power redundancy.
- **Advanced Audio Processing:** Integrated with 12-channel AEC, ATS mixing, feedback suppression, and FIR filters, the processor delivers high-quality and stable audio processing and transmission for a variety of application scenarios.
- **Multi-Device and Scene Management:** Based on the open architecture, multiple AP-series devices can be connected online. Module settings can be copied and pasted across devices, and project files can be managed centrally. The system supports up to 999 scene presets, each with independently configurable module parameters.
- **Comprehensive Control Solutions:** Offers RS232, RS485, and UDP control options for one-click system operation. Supports wired and wireless Web access via LAN IP, allowing users to customize control interfaces according to their needs.
- **Video Conference Integration:** Built-in USB sound card ensures seamless integration with major video conferencing platforms such as Zoom and Teams, providing a convenient and high-quality audio experience.

Specifications

Analog Input / Output Channels	12x8
Custom Analog Flexible Channels	8
Processor	ADI SHARC 21569@1 GHz SIMDx3
Input Gain	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Response	20Hz~20kHz (+0\ -0.1dB)
Maximum Level	+22dBu
Sampling Rate	48 kHz
AD/DA Bit Depth	24Bit
THD+N	≤0.001% (1kHz, +4dBu A-weighted)
Equivalent Noise	≤-91dBu (A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Input Common Mode Rejection Ratio	> 82dB@1kHz, 0dBu
Output Crosstalk	≤-93dB@1kHz
Input Impedance (Balanced)	5.4kΩ
Output Impedance (Balanced)	102Ω
Operating Voltage	110-240V AC, 50Hz/60Hz DC +24V/3A
Shipping Weight (Net / Gross)	3.17kg/4.11kg
Dimensions (W × D × H)	482x262.5x44mm