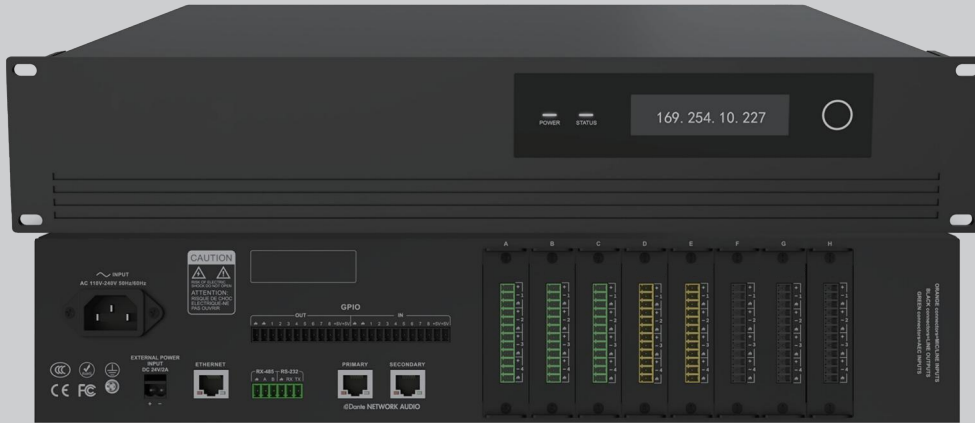


COP 8000 III



Open Architecture Matrix Host

32x32 Dante



Features

Plug-in Card Chassis

The 8000 Series chassis comes with 8 standard rear panel card slots, compatible with 4-channel analog cards (analog mic/line input, analog line output and AEC mic/line input) fitted with 3.81 mm Phoenix terminals. Optional cards including 2-channel USB-B, 2-channel PSTN telephone and AI noise reduction & feedback suppression modules are available based on actual usage demands.

Network Transmission Channels

Model 8000 III complies with the Dante audio networking protocol and supports 32x32 audio channels together with up to 32 audio flows, enabling flexible routing and transmission of network audio signals for large-scale projects.

Ultra-large Matrix Routing

Supports up to 128x128 matrix and routing functions. The matrix comes with two operation modes: Smart Matrix and Super Matrix; the Smart Matrix allows free mixing of input signals to outputs with independent gain adjustment for every matrix node, whereas the Super Matrix is designed for signal distribution and mixing. The routing features exclusive-source control, restricting each output to one single input source to deliver flexible configuration for various application scenarios.

Diversified DSP Algorithms

Onboard processing modules include AGC, compressor, limiter, expander, ducker, crossover, FIR filters and auto mixing.

All modules feature drag-and-drop setup for intuitive audio programming.

Built-in Logic Modules

Compatible with standard GPIO and basic logic gates plus key trigger, enabling internal/external trigger for mute, volume, preset loading and switching control.

Backup Mechanism

Dual AC+DC power backup safeguards reliable operation; dual-unit backup with hot standby & mirror sync delivers redundant protection.

Customizable User Interface Supported

The main unit supports customizable user interfaces. Diversified-style control panels can be created per user requirements and uploaded to the device for access via web browser. Access accounts and passwords are configurable. The concise, aesthetic, secure and high-efficiency interface greatly improves user operation convenience.

Specifications

Processor	ADI SHARC 21569@1 GHz SIMDx3
I/O Card Slots	8, compatible with analog input cards, analog output cards, AEC cards, USB cards, analog telephone cards, AI noise reduction & feedback suppression cards
Dante Channels	32x32
GPIO	8x8
Display	3.12-inch LCD to present device information
Sample Rate / Bit Depth	48kHz\24Bit
Frequency Response	20Hz~20kHz (±0.2dB)
Maximum Level	+22dBu (Analog Input Cards)
THD+N	≤0.001% (1kHz, +4dBu A-weighted)
Equivalent Input Noise (EIN)	<-135dB (20Hz-20kHz, 53dB Gain, 102Ω)
Dynamic Range	118dB (20Hz-20kHz,0dB)
Channel Crosstalk	≤-112dB
Input CMRR	≥91dBu Avg (1kHz, 0dBu)
Operating Temperature Range	0°C ~ 45°C
Operating Humidity Range	Max. Relative Humidity: 85%
Unit Dimension (W × H × D)	483×88×364mm
Packing Dimension (W × H × D)	618×153×473 mm
Safety Certifications	CCC CE RoHS FCC
Shipping Weight	8.5kg
Power Supply	110-240VAC 50/60Hz: 100W, 24VDC : 100W