

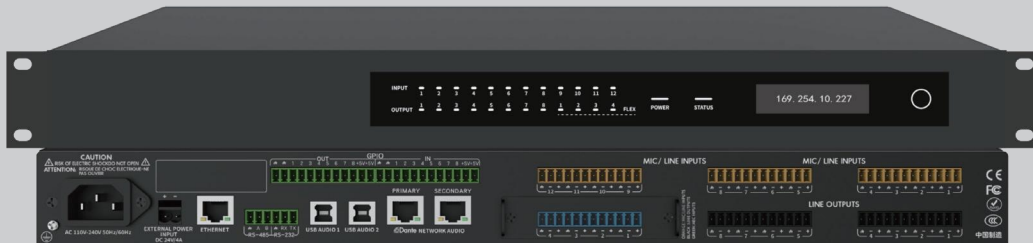
COP 128N



Open Architectre Matrix

128x128 Dante

Dual 2x2USB-B



Features

Massive Network Transmission Channels

It supports the Dante network audio protocol with up to 128x128 ultra-large audio channels and 128 independent 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.

Built-in Multi-channel Player

Built-in 16-track audio player with multi-playlist scheduling for playback control and progress management.

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
Analog Channels	12x8
Card Slot	1 slot: Analog I/O card optional (Input/Output selectable)
Dante Channels	128x128
USB Channels	4x4
GPIO	8x8
Sample Rate / Bit Depth	48kHz\24Bit
Input Gain	0/4/12/18/24/30/36/42/48dB/54dB
Phantom Power	+48V/10mA max
Frequency Response	20Hz~20kHz (±0.3dB)
Maximum Level	+22dBu
THD+N	≤0.002%
Input Dynamic Range	118dB
Output Dynamic Range	118dB
Channel Isolation	108dB
Input Impedance (Balanced)	5.4KΩ
Output Impedance (Balanced)	600Ω
System Latency	<5ms
Operating Power Supply	AC 100-240V,50/60Hz & DC24V 4A
Dimensions (W × D × H)	482 × 260 × 45mm