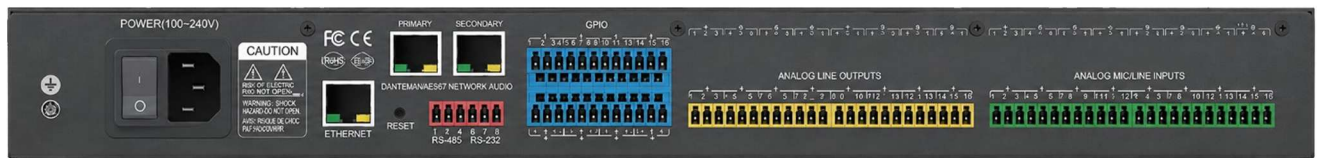


KYRO 88D

8x8 Digital Audio Processor (Dante)



NHS

AEC

ANS

AGC

ANC

AM

Overview

KYRO 88D digital audio processor, a member of the ERTHPOT KYRO PRODUCT LINE, delivers a compact 8x8 solution with excellent industrial design, reflecting the practicality of ERTHPOT products in audio systems.

Built on the ADI SHARC 21489@450MHz SIMD platform with a semi-open architecture and Ethernet support, the KYRO 88D offers integrated management of multiple devices through an open user interface, delivering reliable sound quality at 24-bit/48kHz.

Each digital audio processor includes 16 audio interfaces:

- 8 microphone/line-level analog audio inputs
- 8 analog line-level audio outputs
- 8x8 Dante network input and output channels for digital audio transmission

The KYRO 88D supports full-duplex Adaptive Echo Cancellation (AEC), independent adaptive feedback suppression on every channel, gain-sharing Auto Mixer Control (AMC), Automatic Gain Control (AGC), Audio Ducking, and Ambient Noise Compensation (ANC) — giving each channel the processing intelligence needed for demanding live and conferencing environments. The system supports up to 8 independent presets and offers audio channel duplicating, linking, and grouping, along with RS-232 and UDP central control, allowing installers to assign UDP ports and issue control commands directly through the control software. The KYRO 88D is ideal for compact to mid-sized rooms requiring dependable audio processing with feedback suppression and echo cancellation, such as meeting rooms, classrooms, or small conference spaces.

KEY FEATURES

- Equipment type: 8x8 digital audio processor (Dante).
- ADI SHARC 21489@450MHz SIMD platform with semi-open architecture and Ethernet support.
- Integrated management of multiple devices with an open user interface, supporting 24-bit/48kHz sound quality.
- 8 microphone/line-level analog audio inputs, 8 line-level analog audio outputs.
- 8x8 Dante network channels for digital audio transmission.

- Independent adaptive feedback suppression on every channel, automatically finding and suppressing audio feedback.
- Full-duplex Adaptive Echo Cancellation (AEC) and Active Noise Cancellation (ANS).
- Gain-sharing Auto Mixer Control (AMC) and Automatic Gain Control (AGC).
- Audio Ducking (Ducker) and Ambient Noise Compensator (ANC).
- Full-featured audio mixing matrix supporting adjustable input level.
- Up to 8 independent presets, each working independently.
- Supports audio channel duplicating, linking, and grouping.
- Control port: supports RS-232 and UDP central control, with assignable UDP port numbers.
- Built-in dual-channel USB sound card for audio recording, broadcasting, and video conferencing.
- Power supply: 110-240VAC 50/60Hz.

SPECIFICATION

Processor	ADI SHARC 21489@450 MHz SIMD	THD+N	<-95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	113dB
Number of analog input and output channels	8x8	Output dynamic range	113dB
Number of DANTE input and output channels	8x8	Channel isolation @1kHz	108dB
Input gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu	Input impedance (balanced connection)	5.4K Ω
Phantom power	+48V/10mA max	Output impedance (balanced connection)	600 Ω
Frequency response	$\pm$ 0.5dB(20~20kHz)	System delay	<3ms
Maximum level	+18dBu	Working power supply	110-240VAC 50/60Hz
		Dimensions (width x depth x height)	482 x 260 x 45mm
		Shipping weight	4KG