KYRO KONNECT 128D

Open architecture DSP server



256 DANTE | CDT100 M3 | 999 Presets | Semi-Modular

Overview

KYRO KONNECT 128D digital audio processor, a new-generation product from the ERTHPOT KYRO PRODUCT LINE. Its excellent industrial design offers high integration, demonstrating the practicality of ERTHPOT products in audio systems.

The KYRO KONNECT 128D incorporates all the advantages of flagship equipment, featuring user-friendly design software, multi-interface unified scheduling management functions, flexible and diverse processing modules, freely combinable processing architecture, and customizable graphical control interfaces, all leveraging the ERTHPOT KYRO system platform.

Each digital audio matrix processor includes 24 audio interfaces:

* 12 microphone/line-level analog audio inputs with 48V phantom power supply
* 8 analog route-level outputs
* 4 custom input or output channels, supporting a maximum of 16 inputs and 8 outputs, or 12 inputs and 12 outputs.

The KYRO KONNECT 128D digital audio matrix processor supports Dante network digital audio transmission, mirroring our flagship solution. It transmits up to 128x128 channel audio signals between devices, achieving 128x128 streams. Dante network digital audio transmission is fully compatible with Ethernet and IP networks, offering ultra-low latency, high-precision synchronization, accurate sampling, simple setup, and ease of use. This enables seamless 128x128 channel uncompressed audio transmission on the local network, providing true plug-and-play functionality and compatibility with devices from many well-known brands.

The system features an INTERACTIVE graphical control interface for intuitive operation. This unified interface allows for simple control, setting, and recall of various parameters across the entire audio system. The "What You See Is What You Get" graphical control interface is a core component of the system, accessible via software installation on a computer or through a wireless touchscreen for more convenient control.

The KONNECT 128D is ideal for small to medium-sized rooms requiring high-quality audio solutions with language amplification and partitioned amplification, such as conference rooms or council halls. Its robust digital network capabilities also allow it to function as a digital network audio matrix, offering enhanced channel processing and control functions compared to traditional audio matrices.

ERTHPOT ELECTRONICS PRIVATE LIMITED
A - 164, A Block, Noida Sector 63, Gautam Buddha Nagar
Uttar Pradesh Pin Code: 201301
info@erthpot.com

Key Features

- Equipment type: audio processing server.
- Drag-and-drop DSP module (non-fixed), unified management.
- 12 microphone/line level analog audio inputs, 8 line level analog audio outputs.
- Supports customization of 4 line level analog input/output channel cards, with a maximum of 16 inputs and 8 outputs or 12 inputs and 12 outputs; USB channel: Dual USB interface, supports two computers to be used at the same time, with a maximum of 4 inputs and 4 outputs.
- Audio playback: built-in 4 multi-track players, supports scheduled playback, parallel 16-track playback, supports MP3 and WAV audio files.
- Media storage capacity: up to 64 GB.
- Network channel: 128×128 Dante network channel, supports the number of streams 128*128.
- AEC channel: up to 12 assignable and routable AEC processor modules.
- Feedback suppressor channel: 144 channels.
- Control port: supports 8 GPI and 8 GPO channels, 1 RS-232 interface, 1 RS-485 interface.
- Dynamic range: ≥118dB.
- Total harmonic distortion: ≤0.002%.
- User interface: The graphical user interface can be edited as needed.
- Power supply: built-in universal power module and 24V 4A DC external power supply, dual power supply backup.
- The front panel has input and output signal indicators, OLED display, and touch page turning buttons.

Specification

Processor Chipset	ADI SHARC 21569	Frequency response (20~20kHz)	±0.3dB
Channel isolation	108dB	Maximum level	+22dBu
Sampling rate/number of quantization bits	48K/24bit	Dante Primary/Secondary	RJ451000 Mbps
Input impedance (balanced connection)	5.4KΩ	THD+N	≤0.002%
Input gain -adjustable in 6 dB increments	0/6/12/18/24/30/36/42/48/ 54/60/66 dB	Dante Channel	128x128
Output impedance (balanced connection)	600Ω	Input dynamic range	118dB
Phantom power	+48V/10mA max	Product dimensions (width × height × depth)	482 x 260 x 45mm
Working power supply	AC 100-240V, 50/60Hz and DC24V 4A	Output dynamic range	118dB
		Information screen	2.08-inch flip display

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