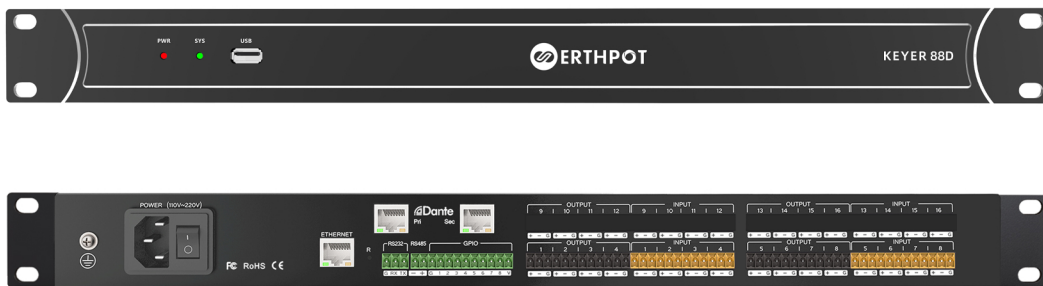# KEYER 88D

DIGITAL PROCESSING & CONTROL

Overview

The KEYER 88D is an audio processing and control system that uses an advanced TI456MHz Dual-Core Chip for DSP giving you an unprecedented opportunity to solve the most complex problems of signal routing & processing. The Dante module provides a high bandwidth, low latency, high compatibility, and low-cost solution for network audio transmission. Erthpot has designed the Keyer series with the best possible components & circuits to develop a digital signal processor that helps in a significant amount of cost savings and at the same time provides features that exactly fit in place according to the needs of every individual user. Keyer Series makes mixing, signal routing, vocal processing, and room optimization, all these tasks, are very simple and quite straightforward. The Keyer Series DSP helps you to get the most optimized audio performance for presentation and conferencing applications in wherever place you want whether it be in boardrooms, courtrooms, or a resto-bar.

Key Features

- DSP audio processing, built-in automatic mixing console, Ducker dodger, optional feedback elimination, echo elimination, noise elimination module.
- Input Per Channel: Preamplifier, signal generator, expander, compressor, 10-band parametric equalization.
- Output Per channel: 31-band graphic equalizer, delay, crossover, limiter.
- Built-in bi-directional USB Audio Interface for soft codec conferencing solution supports recording & play.
- Built-in 8x8 Dante audio module.
- Support for scene preset function.
- Automatic power failure protection memory function.
- Full-featured matrix mixing function.
- User definable GUI windows-based control software to manage & configure the DSP unit.
- Built-in automatic camera tracking function.

Technical Specifications

SAMPLING RATE	48KHz
PHANTOM POWER	48V
FREQUENCY RESPONSE	20 - 20KHz, ±0.2dB
MAXIMUM INPUT/OUTPUT LEVEL	18dBu
OUTPUT IMPEDANCE (BALANCED)	100Ω
EQUIVALENT INPUT NOISE EIN	≤-125dBU
CHANNEL ISOLATION @1KHZ	100dB
THD+N	≦0.004% @4dBu
DIGITAL/ANALOG DYNAMIC RANGE	120dB
BACKGROUND NOISE	-90dBU

ANALOG/DIGITAL DYNAMIC RANGE	114dB
INPUT IMPEDANCE (BALANCED)	20kΩ
INPUT GAIN AMPLIFICATION RANGE	24 to −27dB, (3dB Step,17 in total)
OPERATING POWER SUPPLY	AC110/220V,50Hz/60Hz
ENCLOSURE / CHASSIS MATERIAL	Pressed Steel (powder coated)
CHASSIS DIMENSIONS (H×W×D)	45×482×258 mm , Size 19" 1RU
PRODUCT WEIGHT	2.9 kg
INCLUDED ACCESSORIES	IEC 1.2 MTR Power Cord
ENVIRONMENTAL CONDITIONS	-10 to +40 °C
COMPLIANCE	CE & RoHS

Port Configuration

ANALOG INPUT CHANNEL	8
ANALOG OUTPUT CHANNEL	8
DANTE INPUT CHANNEL	8
DANTE OUTPUT CHANNEL	8
ETHERNET CONTROL PORT	1

DANTE INTERFACE (PRIMARY)	1
DANTE INTERFACE (SECONDARY)	1
RS232	1
RS485	1
GPIO	8 (Freely Configurable I/O)

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