SND Network
DIGISYN LINK
AES67 & DSP built-in

DL-08/16/32

8x8/16x16/32x32 AES67 + DSP Network Module

AES67
AES67 Protocol

DSP
Extensive DSP

RAVENNA
Partner

Ideal for AES67 Network Audio

- AES67 / **DIGISYN LINK** / **RAVENNA** delivers top-tier lossless, ultra-low-latency audio over standard IP networks, with flexible, reliable switches and devices.
- The **DL-08/16/32** series supports OTA upgrades.
- **DIGISYN LINK** opens DSP/control protocols with open APIs for easy software development in audio routing, DSP, custom control, and monitoring.
- Free DIGISYN LINK3 Windows control software simplifies management.
- Powerful DSP with 4096-tap FIR filter, AEC, AGC and ANS.

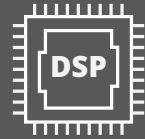## Fully Open API for Easy Integration

DIGISYN LINK is renowned for its exceptional flexibility, easily integrated into your products to inspire customer creativity. The **DL-08/16/32** series supports auto-discovery, label-based signals, powerful DSP, and plug-and-play. Delivers top audio performance, data sharing, and full API/docs for DSP integration. Perfect for AES67 / **DIGISYN LINK** / **RAVENNA** ecosystems.

Compact, Powerful Module

The **DL-08/16/32** module is a compact yet powerful audio processing solution, offering impressive functionality. It supports multiple sample rates (48/96/192 kHz) and flexible channel configurations, up to 32x32, 8x8, or 8x8 channels, with robust multi-channel audio stream processing capabilities. Integrating advanced AES67 / **DIGISYN LINK** / **RAVENNA** network audio technologies and 16/24/32-bit depth, it provides extensive DSP features like EQ, FIR, delay, and compression. Its onboard clock ensures low jitter and stable audio synchronization, making it a reliable tool. Additionally, it offers various interfaces, including Mini-PCI, BTB connectors, GPIO, and UART, enabling versatile connectivity and expansion. The **DL-08/16/32** is an ideal choice for diverse audio processing needs and multi-device integration.
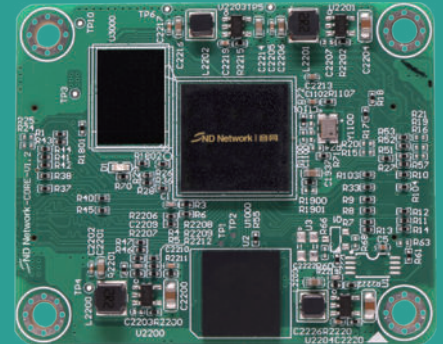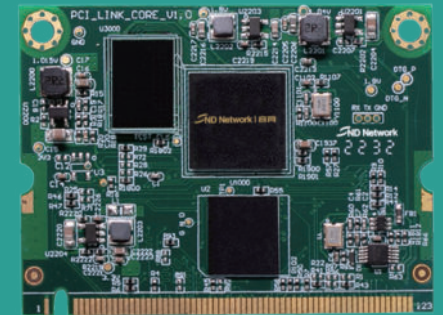

DL-08(BTB)

DL-08(MINI-PCI)

Key Features

- 1ms latency, lossless audio, 192kHz support.

- DIGISYN VSC: Assign 64 PC channels to **DL-08/16/32** devices.

- Optional DSP: EQ, FIR, echo cancel, noise reduction, AGC, AEC, ANS,delay, compression, expansion.
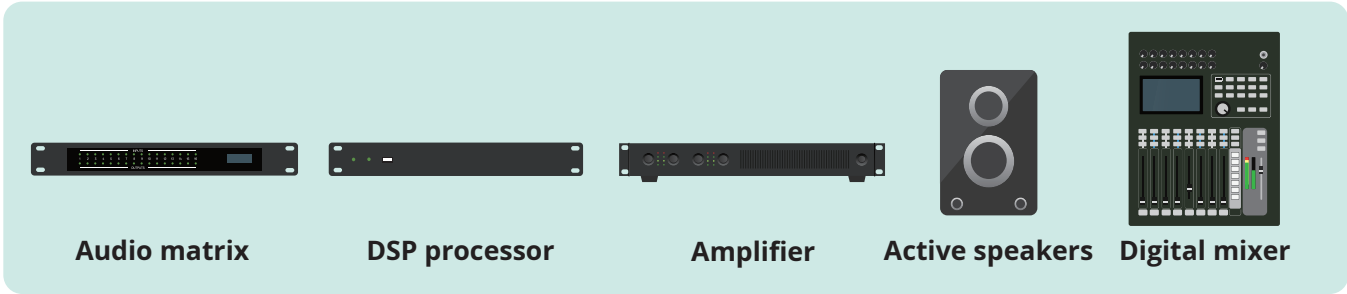
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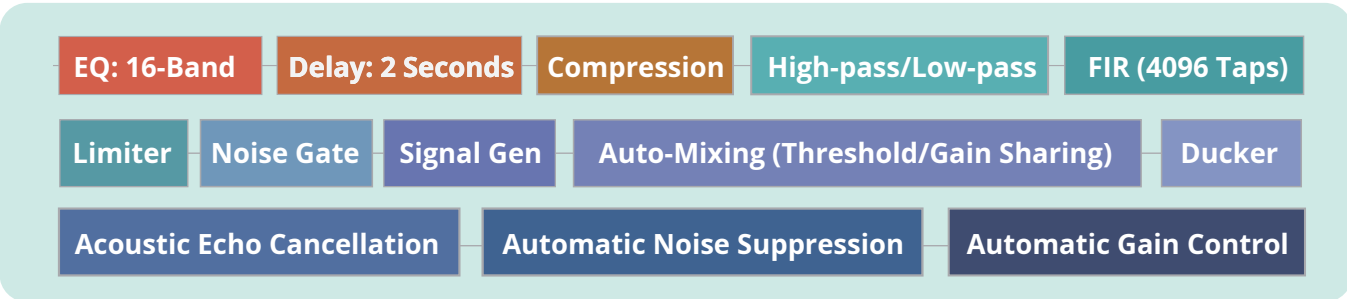
www.digisynthetic.com

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Application Cases

| Audio matrix | DSP processor | Amplifier | Active speakers | Digital mixer |

- **DL-08** offers **DIGISYN LINK / RAVENNA** interfaces for network audio modules supporting up to 8x8 channels at 192kHz sample rate.

- **DL-16** provides **DIGISYN LINK / RAVENNA** interfaces for network audio modules supporting up to 16x16 channels at a 48kHz sample rate.

- **DL-32** provides **DIGISYN LINK / RAVENNA** interfaces for network audio modules supporting up to 32x32 channels at a 48kHz sample rate.

Optional DSP Functions

EQ: 16-Band | Delay: 2 Seconds | Compression | High-pass/Low-pass | FIR (4096 Taps)

Limiter | Noise Gate | Signal Gen | Auto-Mixing (Threshold/Gain Sharing) | Ducker

Acoustic Echo Cancellation | Automatic Noise Suppression | Automatic Gain Control

Technical Specifications

Audio Features	
Sampling Rate	48 / 96 / 192 kHz
Audio I/O Channels (48kHz)	Up to 32 x 32 channels
Audio I/O Channels (96kHz)	Up to 8 x 8 channels
Audio I/O Channels (192kHz)	Up to 8 x 8 channels
Audio Stream Input/Output	Up to 32 x 32 audio streams
Digital Audio Format	TDM, I²S
Audio Transmission Format	AES67, **DIGISYN LINK**, **RAVENNA** network audio
Bit Depth	16, 24, or 32 bits per sample
Clock	Onboard word clock or external word clock
DSP Functions	AEC, AGC, ANS, AM FIR, limiting, auto-mixing, etc.
Hardware	
Dimensions	4.5cm x 5.5cm
Clock	High-quality, low-jitter onboard clock
Physical Connectors	Mini-PCI, BTB connector
Power Supply	5V DC
Interfaces	
Control Interfaces	GPIO, UART
Network	Standard RMII interface for switch chips