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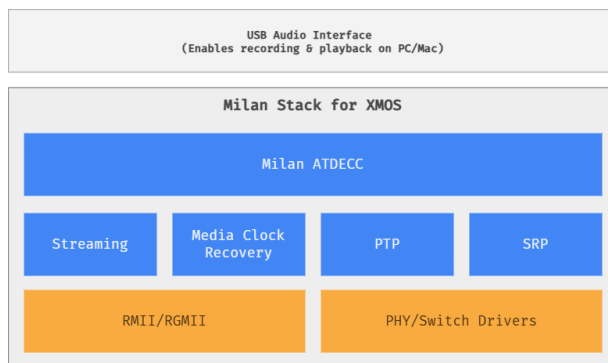
MLN-USB32: Milan-USB Interface Software

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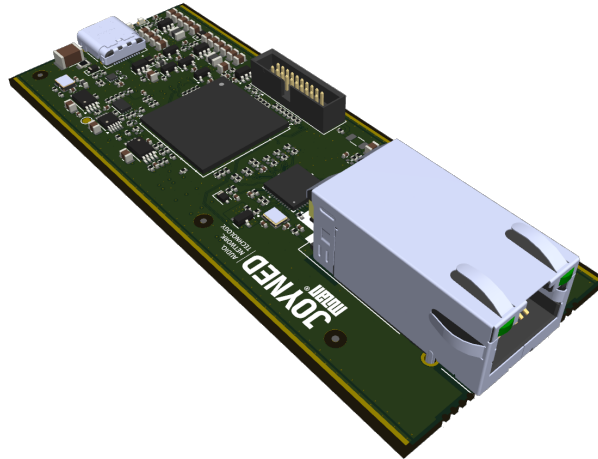**JOYNED** | AUDIO. NETWORK. TECHNOLOGY.

Brief

The MLN-USB32 introduces a fully Milan-compliant software solution for USB Class Compliant
interfaces. This innovative software supports interoperability and future-proof designs, with sample rates of 48kHz and 96kHz and channel configurations from 2×2 to 16×16, scaling up to 32×32 channels at 48kHz. A hardware reference design is also in development, providing manufacturers with a comprehensive solution for seamless implementation.

Features:

- **Milan and USB Audio 2.0 Compliant** – Ensures smooth interoperability with Milan networks and standard USB audio interfaces.
- **Scalable Channel Configurations** – Supports **2×2 to 16×16**, expandable to **32×32 at 48kHz**, for flexible deployment.
- **High-Resolution Audio** – Operates at **48kHz and 96kHz**, ensuring pristine sound quality.
- **Optimized for XMOS xCORE-200 XE232 Microcontroller** – Enables real-time processing and high-performance audio handling.
- **Plug-and-Play Simplicity** – No custom drivers required for standard USB audio functionality.
- **Low-Latency Performance** – Designed for professional audio applications, ensuring minimal delay.
- **Customizable for Manufacturers** – Supports tailored firmware, enclosures, and branding options.
- **Reference Design Available** – Provides an optimized hardware reference for seamless integration.

Reference Designs

- Milan Endpoint Reference Design with USB Audio