

IQAMD40

Multi-Channel MADI to IP Interfacing Module

The IQAMD40 provides multi-channel MADI to IP interfacing, and has been developed to allow high density audio integration into Ethernet IP networks. Using industry standard AES67 encapsulation and a 10GbE interface enables the IQAMD40 to interface directly with many common audio desks and systems.

IQAMD40 also allows configuration of audio channels for IP streams, and provides stream compatibility by offering packet time adjustment. Two audio tone generators are also available to enable link testing and configuration.

IQAMD40 fully integrates with remote control and monitoring systems to provide easy set up and real-time information on signal presence and status for each channel. It's also fully compatible with SAM's new broadcast centric IP routing and network management solution designed to migrate Broadcasters from a traditional baseband routing and control environment to new Hybrid SDI and IP workflows.

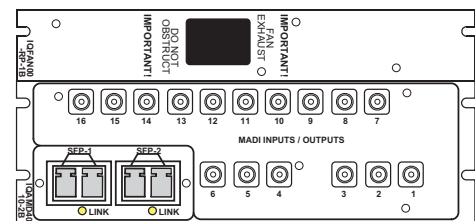
Features

- Handles up to 16 MADI signals (8 in & 8 out) over dual 10GbE IP links, with the option to provide MADI link redundancy
- Audio delay per IP stream of up to 255ms
- Dual SFP/QSFP to provide link redundancy
- Uncompressed PCM audio transport using AES67
- Timing and synchronization provided by IEEE-1588v2 (PTP), compliant with SMPTE-2059-2 and AES67 profiles
- Supports uni-cast as well as IGMPv3 source specific multi-cast, allowing point to point operation or transmission in multi-cast groups
- Two audio tone generators available for MADI channels, with selectable tone frequencies of 500Hz, 1kHz, 2kHz and 4kHz
- Standards supported:
 - MADI to AES10-2003
 - 10G Ethernet to IEEE 802.3
- Audio channel selection per IP stream from 1-64 channels, plus packet time selection of 125us, 250us, 500us, 1ms and 4ms
- RollCall control and monitoring compatible with standard logging and reporting features

Why should you choose this module?

- Provides a flexible and cost-effective way to integrate MADI audio devices into Ethernet IP networks for efficient signal transport
- Using IGMPv3 source specific multi-cast allows fast configuration of network routes and provides the basis for clean switching at the destination unit
- Full RollCall and SNMP compatibility allows easy integration with SAM's, or third party, network management systems providing an all-inclusive monitoring and control solution

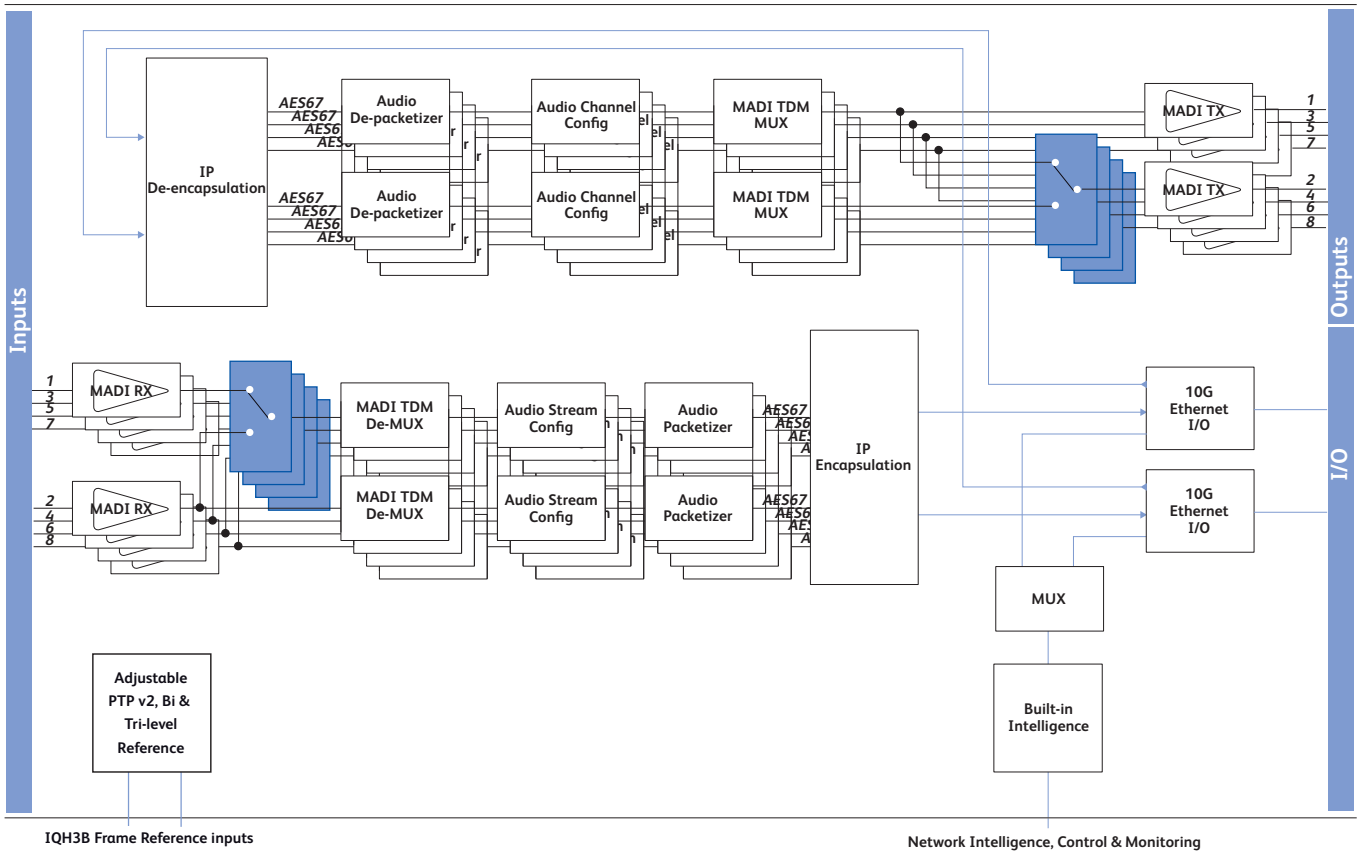
Inputs & Outputs - IQH3B enclosures



IQAMD4011-3B3

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Block Diagram for IQAMD40

Ordering Information

Order codes for IQH3B enclosures

IQAMD4011-3B3

Translates up to 16 MADI streams to IP with 10GbE interface. 8 MADI inputs and 8 MADI outputs, 2 x 10GbE SFP ports. Includes IQFAN rear panel for additional cooling in IQH3B frame

For more details on enclosure types please refer to datasheet IQH3B