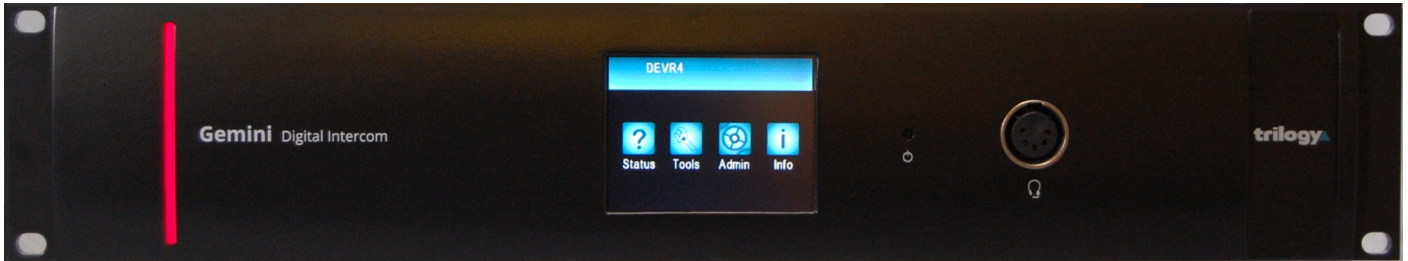


Product Brief

MADI/AES Card for Gemini



Description

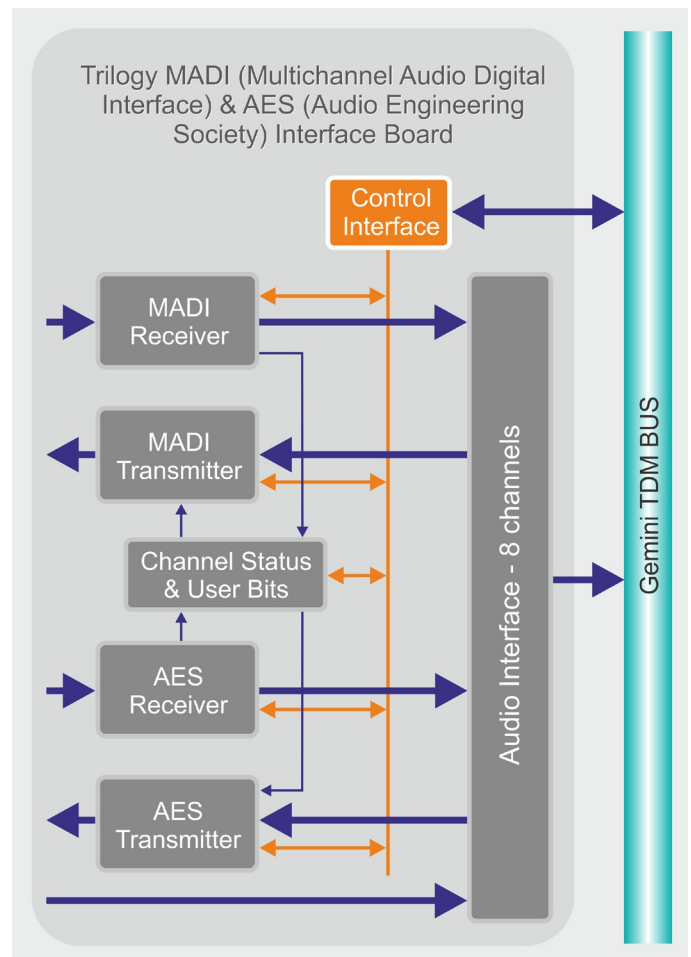
The new MADI / AES interface board for Trilogy's Gemini matrix allows audio signals in either MADI or AES format, or in any combination of the two, to be seamlessly integrated with the intercom network. Typically, a Broadcast intercom needs to interface between various audio systems, such as consoles or routers, and the operational team including Presenters, Commentators, Cameramen and even remote sites via telecommunications devices.

The board supports four AES-3 balanced inputs and outputs presented on a D25 connector with one MADI (AES-10) unbalanced I/O made available via BNC and optical fibre connections. Timing of the MADI output stream is configurable allowing versatile system timing. Similarly, the sample rate of the AES outputs may be referenced to the input or to Gemini's internal bus.

Provision is also made to enable any AES / MADI audio pair to be combined as a mono mix so that both channels can be transported to any of Gemini's matrix ports or IP channels.

Key Features

- Hybrid, single board solution supports both MADI and AES interfaces
- MADI I/O via standard BNC and optical fibre connections
- Standard 48kHz sample rate
- Configurable MADI output timing & AES sample rate
- AES / MADI audio pairs may be combined as a single channel mono mix
- Channel status and User bits Independently settable for each output channel



Product Brief

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Specifications

Input	MADI	1, MADI (AES-10) input. Impedance 75Ω
	AES-3	4, AES-3 input (balanced). Impedance 110Ω
Output	MADI	1, MADI (AES-10) output. Impedance 75Ω
	AES-3	4, AES-3 output (balanced). Impedance 110Ω
Other	Resolution	16 bit
	Sample Rate	48kHz
Control	MADI Output Timing	Any MADI or AES-3 input pair may be combined as single channel mono mix Configurable, either derived from Gemini TDM bus, wordclock or received MADI input
	AES-3 Sample Rate Timing	Configurable, either from AES-3 input or the Gemini TDM bus
Ancillary	Channel Status Bits	May be set independently for each output channel
	User Bits	May be set independently for each output channel
Connectors	MADI input	BNC & optical fibre (1300nm multimode) via LC connector.
	MADI output	BNC & optical fibre (1300nm multimode) via LC connector.
	Wordclock	BNC
	AES-3	I/O 25 pin D25 skt (Yamaha standard pin out)
Ordering Information	700-26-21	MADI /AES Expansion Board Provides MADI I/O via both co-axial (BNC) & Fibre (1300nm multimode - LC connectors) plus 4 x AES balanced via D25 skt

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