

MADISON-1260-xx

16+16 Channel Analogue Audio MADI-Interface to Fiber

Data Sheet



Description

The Norwia Madison 1260 is a 1RU, 16 inputs and 16 outputs Analogue Audio MADI encoder/decoder to fiber.

The Madison combines state of the art signal conversion with highly reliable clock and MADI processing. As usual the unit is simple to operate, easy to expand and, of course, an awesome sounding conversion system.

Madison has a built in Fiber transceiver for short and long distances over a Multi Mode or Single Mode fiber, and can be connected to the miniHUB fiber distribution platform for CWDM multiplexing.

The analogue outputs and inputs are balanced pair cabling and are externally feed though D25 connections. This allow for easy addition of premade XLR panels.

- 16 AD and 16 DA convertors in 1RU
- Multi Mode or Single Mode fiber interface
- Superb sounding convertors with a sophisticated analogue section on 36 V audio rails
- +24 dBu professional output level
- Best price/performance level
- Up to 64 I/O's on 1 MADI port (4 units)
- Latency-neutral MADI chaining
- Dual Power supplies are standard

Part Number

Part Number	Description
MADISON-1260-MM	1RU Analogue Audio (16in/out) to MADI convertor with Multimode optical TX/RX and dual supplies.
MADISON-1260-SM	1RU Analogue Audio (16in/out) to MADI convertor with Singlemode optical TX/RX and dual supplies.

Features

Applications

- Stadium audio transport
- Mass audio transport
- Remote production audio
- Ring Structure audio

Specifications:

Convertor and Connections	
Resolution	24 Bit
Sample Rates	44.1, 48, 88.2, 96, 176.4, 192 kHz
Varispeed	±12.5% in 56 CH mode, -12,5% in 64 CH mode
Reference Levels/Inputs	24dBu max, selectable 22dBu, 18dBu, 15dBu
Reference Levels/Outputs	24dBu max, selectable 22dBu, 18dBu, 15dBu
Clock	Internal clock circuitry from SPL, Wordclock or MADI
Expanability	4 units via MADI chain for 64 channels
Wordclock Input	75 ohms, terminated impedance
Wordclock Level	Input: TTL/CMOS5/CMOS3; Output: 3.3Vtt
MADI Channels	44,1 & 48kHz: 56/64ch
MADI Channels	2x 44,1 & 48K: 28/32ch
MADI Channels	4x 44,1 & 48K: 14/16ch
MADI Formats	2x 44,1 & 48K, 4x 44,1 & 48kHz: SMUX/HighSpeed
Audio Inputs	16 analog, balanced inputs, DB25/Tascam MADI optical digital input (up to 64 channels)
Audio Outputs	16 analog, balanced outputs, DB25/Tascam MADI optical digital output (up to 64 channels)

Rear Connections	
2 IEC power connector on Norwia/SPL units	
USB Type A socket (no audio, firmware updates only)	
Wordclock input via BNC socket with Termination switch	
Wordclock output via BNC socket with Termination switch	
MADI optical input, Type SC with SM fiber connection 8/125u. (MM available and CWDM possible with miniHUB)	
MADI optical output, Type SC with SM fiber connection 8/125u. (MM available and CWDM possible with miniHUB)	
2 x DB25 8-channel analog inputs (Tascam)	
2 x DB25 8-channel analog outputs (Tascam)	

Power Supply x 2	Switchmode, 90-264 V AC, 50/60 Hz, 35W max.
Thermal Units	65 BTU/h typ., 110 BTU/h max.
Dimensions (HxWxD, mm)	44 x 482 x 260 (without sockets D=240)
Dimensions (HxWxD, inch)	1,7 x 19 x 10,2 (without sockets D=9,4)
Weight kg	3,17
Weight lbs	6,99
Note: 0dBu = 0,775 V. Technical specifications subject to change without notice.	

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