

2 x 16-channel Dante Input and Output Board

Part No: 9112 0046



MX2M-AUX-DANTE-32CH is a Dante and AES67 compatible input and output board for the MX2M modular matrix family. The hot-swappable IO board is seen as two distinct Dante devices from the Dante network. Each Dante device can simultaneously send and receive 16 mono audio channels from the Dante network it is connected to via its 1GbE connectors. This makes the board capable of sending and receiving 2 x 16 mono audio channels from the same or different Dante domains with the same or different sampling frequencies.

The received audio is made available to all video and audio outputs over the Audio layer of the matrix as LPCM audio streams. Similarly, the audio sent to the Dante network can originate from any of the video or audio inputs of the matrix carrying LPCM audio.

The board supports redundant operation mode where the same stream is received or transmitted over a Primary and a Secondary Ethernet connector.

Features

- Dante Audio over IP and AES67 RTP compliant
- Seen as two Dante devices
- Simultaneous transmission and reception of 2 x 16 mono audio channels
- The two Dante devices can be connected to the same or different Dante domains
- Redundant operation with distinct Primary and Secondary 1GbE connectors for each Dante device
- In-built high-quality ASRC for sampling frequency conversion (from 24-192 kHz to 44.1-96 kHz)
- LPCM audio support
- Hot-swap support

Specification

General audio			
Audio	Audio format	LPCM	
	Sample size	16, 24 bits per sample	
	Sample rate	44.1, 48, 88.2, 96 kHz	
	Transport formats	Dante Audio over IP, AES67 RTP	
	Number of Dante devices per IO board	2	
	Number of audio inputs	16x mono audio channels per Dante device (altogether 32x)	
	Number of audio outputs	16x mono audio channels per Dante device (altogether 32x)	
	Connector type	1x RJ45 for Primary and 1x RJ45 for Secondary per Dante device (altogether 4x)	
	Operation mode	Redundant (stream over a Primary and a Secondary RJ45 connector per Dante device) Aggregate (stream over a common Primary connector for both Dante devices)	
General	Powering	via MX2M frame	
	Power consumption (max)	14 W	
	Thermal dissipation (max)	47,8 BTU/hr	
	Weight	TBD	
	Operating conditions	Ambient temperature	0-50oC
		Relative humidity	0-90% (non-condensing)
	Transportation conditions	Ambient temperature	-20-70oC
		Relative humidity	0-95% (non-condensing)
	Compliance	EN 55032:2015 IEC 61000-3-3:2013+AMD1:2017 IEC 61000-3-2:2018 FCC CFR Title 47, Part 15, Subpart B	
	Warranty	3 years	