



1 DESCRIPTION

The Iyo Dante® is a cost-effective family of microphone/line Dante audio-over-IP (AoIP) interfaces in a 1U rack mount format.

Three models provide, 8x8, 16x16 or 32x32 balanced analog audio inputs and outputs. Each input accommodates microphone through line level signals with a gain range of -60 to +24dBu. +48V phantom power is individually switchable on each input. Output levels are configurable up to +24dBu.

RGB LEDs on the Iyo's front panel show per channel audio levels and streaming status.

The Iyo family feature an embedded web server, allowing configuration and monitoring of input and output levels. Routing is achieved using the Dante Controller.

Power is provided from a built-in universal AC power supply. Redundant power is available using an external 12VDC supply via a locking 2.1mm jack.

All units can also be operated in AES67 interoperability mode.

2 FEATURES

- 8x8, 16x16 or 32x32 channels of Dante® audio-over-IP with AES67 interoperability
- 48 or 96kHz sample rates.
- 1U rack-mount unit.
- Balanced microphone/line level inputs with level range of -60 to +24dBu
- Switchable +48V phantom power on each input
- Balanced line level outputs with level range of 0 to +24dBu.
- 3.81mm Terminal Block terminations.
- RGB front panel LEDs provide per channel metering and stream status
- Built-in web server provides audio level configuration and monitoring
- Dual RJ-45 network jacks can be operated in redundant or switched mode.
- Built-in universal 90-260VAC 50/60Hz power supply.
- Auxiliary +12VDC input provides power supply redundancy.

3 MODEL INFORMATION

The following Iyo models are available:

Model Name	Model Number	Microphone/Line Inputs	Line Outputs
Iyo Dante 8.8M	ASI2701	8	8
Iyo Dante 16.16M	ASI2702	16	16
Iyo Dante 32.32M	ASI2703	32	32

4 SPECIFICATIONS

DANTE INPUT/OUTPUT	
Type	100/1000Mb Ethernet
Connector	Dual RJ-45 operable as redundant Dante or as a network switch
Channels/Streams	8.8M – 8 input and 8 output channels and streams 16.16M – 16 input and 16 output channels and streams 32.32M – 32 input and 32 output channels and streams
Audio formats	16, 24 and 32 bits per sample
Sample Rate	48kHz, 96kHz
Latency	0.15, 0.25, 0.5, 1.0 and 5.0ms
ANALOG MIC/LINE INPUT	
Type	Balanced
Input Level	-60 to +24dBu in 1dBu steps
EIN	-127 dBu Equivalent Input Noise @ 30dB gain
Phantom Power	+48V , software switchable
A/D converter	32 bit over sampling
Input Impedance	10K ohms
Dynamic Range [1]	>105dB (input or output)
THD+N [2]	<0.0015%
Frequency Response	20Hz to 20kHz +0.1/-0.5dB
Connectors	3.81mm Terminal Block
ANALOG LINE OUTPUT	
Type	Balanced
Output Level	0 to +24dBu in 1dBu steps
D/A converter	32 bit over sampling
Load Impedance	2K ohms or greater
Dynamic Range [1]	>105dB
THD+N [2]	<0.0015%
Frequency Response	20Hz to 20kHz +0.1/-0.5dB
Connectors	3.81mm Terminal Block
LATENCY (48kHz)	
TBD	
POWER	
Built in Power supply	90-260VAC, 47-63Hz, 30W max with IEC C-14 AC inlet
Redundant Power supply (Optional)	Supplied using an external +12VDC, 30W power supply with 2.1mm locking plug
REGULATORY	
FCC Part 48 Class A (US)	
CE Mark (EN55022 Class A EN55024)	
RoHS Compliant	
GENERAL	
Dimensions	1 RU, 19"(482mm) W x 6"(152mm) L x 1.75"(44mm) H
Weight	5 lb (2.2kg) max (32.32M)
Operating Temperature	0C to 40C in free air

NOTES

[1] – Dynamic Range measured using a –60dB 1kHz sine wave and A weighting

[2] - THD+N measured using a +20dBu 1kHz sine wave sampled at 48kHz, 22-22kHz b/w and A weighting filter

[3] - Network latency is changeable using the Dante Controller