KSD – 4X4 DANTE CARD

FEATURES

- 32-bit DSP audio processor
- Connection support for dedicated Touch MDT Dante console microphone
- Network communication between IVO PAVA units (point-to-point or star configuration)
- Up to 64 subsystems in network
- Redundancy of transmision path
- Full synchronisation of messages between subsytems
- 4 × 4 digital Dante audio interface
- Support for AES67 RTP
- Ultra-low quiescent mode
- Hot-swap functionality
- Overvoltage, overcurrent and short circuit protection
- Optional KSDA 4 × 4 audio in/out module to extend available Dante channels to 8 × 8



OVERVIEW

The KSD card is designed to connect the Touch MDT Dante console microphone and to enable communication between IVO PAVA units in a networked system.

It also supports seamless integration with third-party Dante-enabled devices and systems. The KSD card can be installed in either KG-ETH or KAS enclosures.

Optionally, the KSD can be expanded with a KSDA module, connected directly to the main unit, extending its functionality to provide an 8 × 8 Dante interface.

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TECHNICAL SPECIFICATION

	KSD	KSDA
GENERAL		
Power supply	24 V DC ± 20 % 48 V DC ± 15 %	
Idle consumption	< 1 W	< 0,02 W
Standards	EN54, CE	
Mechanical	3 U, 4 HP	
Operating temperature	-5 .. +50 °C	
Relative humidity	25 % .. 90 %	
Indicators	ID, 1Gbps or 100Mbps Ethernet active (each DANTE port) *	-
Connectors	2x RJ45 (DANTE primary and secondary)	4x 0 dB symmetrical audio input, 4x 0 dB symmetrical audio output
AUDIO SPECIFICATION		
Frequency response	10 Hz - 30 kHz (- 3 dB)	
Distortion (THD + N) (1 kHz)	< 0,1 %	
Signal-to-noise ratio	> 95 dB	
Digital audio format	Up to PCM 24-bit / 96 kHz	-
OTHERS		
Audio throughput delay	< 1 ms	-

* KSD and MDT devices support scalable Dante network configurations. The number of devices and simultaneous audio streams depends on the bandwidth, topology, configuration and overall traffic load of the Ethernet infrastructure.

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