

Small 2-Channel Dante Breakout Box to Analog or Digital Signals



Applications

- speech / music (multiroom) installations in buildings
- PA systems
- high quality soundcard for notebooks or PCs
- remote measurements with many distributed sensors (e.g. in industrial environments)



2 Channel Dante Breakout Box based on the Dante Ultimo Chip

This small 2 channel IO box based on the new Dante Ultimo solution is a cost effective but high quality solution for getting analog signals into or out from a Dante audio network without much infrastructure. It's small and can be easily placed under the desk, onto a wall, behind a rack, ...

It features high quality AD/DA converters and a programmable microphone preamp with 48V phantom power and a switchable 70 Hz low cut filter.

Power can be supplied via ethernet (PoE) or/ and an external 5V supply (redundancy). All functions are remote controllable via software.

OEM Solutions / Customization

The DBS1 is packed with features to be a very versatile device. Four Audio supplies custom designs with reduced features tailored to the needs of the customer for saving costs. On this basis, Digital IO (AES) is also available.

Examples

- no PoE supply
- fixed gain, no microphone inputs
- only inputs or outputs
- no front panel / fixed settings
- AES in- / output only (extremely cost effective)
- 4 mA constant current input supply for measurement microphones, accelerometers, ...

Dante Ultimo

Dante Ultimo is a one chip solution from Audinate which enables to develop cost effective Dante integration into a new range of devices which were not available for Dante before. Ultimo is firmware upgradeable and AVB ready and features high quality audio clocks with sample-accurate time alignment between networked devices.

Technical Data

Max. Output Level	15 dBu (adjustable)
Dynamic Range AD/DA	115/ 117 dB(A)
Eq. Input Noise (@-45dBu)	-123 dBu
THD+N AD/DA	-105/-105 dB
Input Sensitivity	-45 to +30 dBu
Phantom Power	48V
Low Cut Filter	70 Hz (switchable)
Audio Format	24 bit / 48 kHz
Power consumption	5W / 5V
Power supply	PoE or External Supply
Dimensions	195 x 125 x 39 mm
Weight	725 g

Dante benefits

- Plug-and-play technology - automatic discovery and simple signal routing
- Reduced Cost & Complexity- No special skills required to set up audio networking
- Sample accurate playback synchronization
- Lowest latency available from any networking technology
- Deterministic latency throughout the network
- Scalable, flexible network topology supporting a large number of senders and receivers
- Supports mix of 100 Mbps, 1Gbps, through 10Gbps networks
- Supports a single integrated network for audio, video, control, monitoring
- Uses inexpensive, off-the-shelf computer networking equipment
- Direct connection to PCs for multi-channel playback using a Dante Virtual Soundcard for both PCs and Macs
- AVB Ready



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