64x64 Dante DSP Aggregator
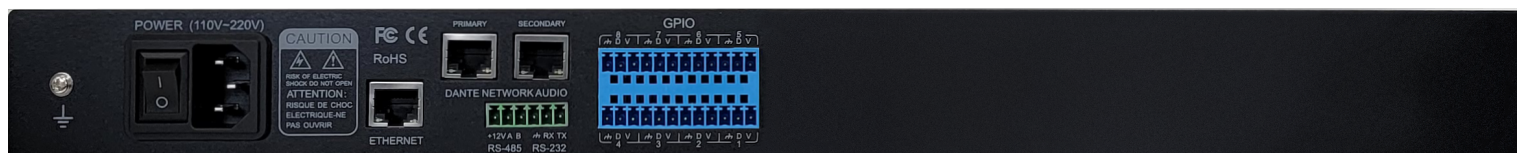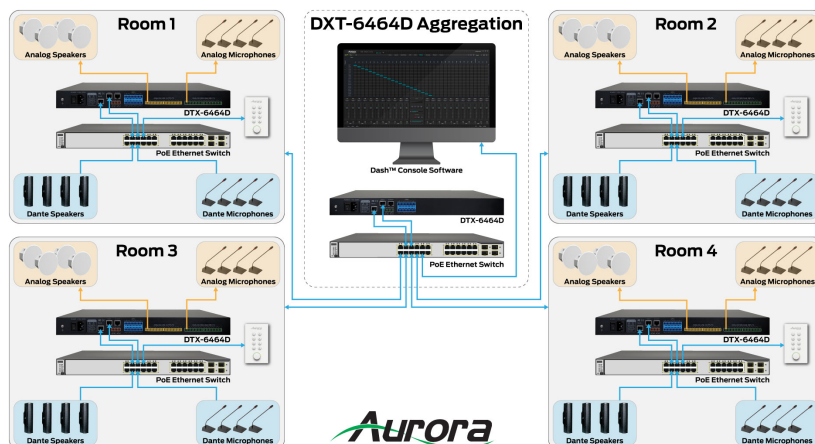

Auroras DTX-6464D is a Dante enabled, all digital, audio DSP Aggregator. This fully networked family of professional audio products is ideal complement to Aurora's IPX and VPX Video over IP solutions for House of Worship, Bars and Restaurants, Conferencing, and Education markets. The DTX ecosystem of products are purpose built to deliver pristine audio throughout the network while significantly reducing traditional device count and cabling costs.

DTX products use the industry-leading ADI 450Mhz SHARC 21489 chip and provides outstanding 24bit/48kHz audio quality.

The DTX-6464D is a high-density aggregator which features 64x64 Dante I/O. It is perfect for large centralized applications with multiple rooms or zones. In large, distributed systems that include analog I/O, significant benefits can be gained by using and aggregator vs a centralized DSP. This topology allows the DSP processing load to be distributed to smaller DSPs saving cost and adding survivability. The audio quality of the analog I/O also benefits by having the DSP connections close to the endpoints eliminating long analog runs, therefore reducing hum, buzz and ground loops.

- Higher quality audio by to keeping analog runs short and local.

- Considerably less cabling. Makes retrofit much easier.

- Decentralization provides survivability. One room or even the aggregator can go down and all other rooms will continue to operate normally.

- Distribution of the DSP processing load results in a less expensive solution and contributes to survivability.

- Each room can be individually secured from tampering.

- 64x64 Aggregator facilitates content sharing across rooms and allows for automated control of switching/matrix.

www.auroramm.com

Aurora Multimedia Corporation
205 Commercial Court, Morganville, NJ 07751
Phone: +1 (732) 591-5800
Email: sales@auroramm.com

Spec Sheet: 211214

Dash
Audio DSP Console

The **Dash** DSP Controller is a Windows-based, full-featured application that configures and controls the DSP hardware. Systems can be designed to perfectly match specifications and conform as requirements change or evolve. All classes of audio processing modules for signal routing and shaping are provided.

Dash provides a revolutionary way of thinking about DSP software. This is a software designed by audio professionals for audio professionals. It uses an interface layout that will be very intuitive to even the most novice integrator yet extremely powerful in its capabilities

The DTX-6464D supports the following DSP features:

- Expander, Compressor, Limiter
- 8-Band Parametric EQ
- Output Crossover
- Output Compensation Delay

Technical Specifications:

Model Name	DTX-6464D
Audio	
ADSP	ADI SHARC 21489@ 450MHz (x2)
Audio Format	24 bits, 48 kHz sampling rates (uncompressed)
System Latency	< 6 ms
Dante I/O Channels	64x64
Dante	
Dante Dynamic Range	115 dB
Dante Noise Floor	-91 dBu (A-weighted)
Interface	
Ethernet Port (RJ-45)	2 Dante Audio 1 LAN
USB Port (Type-A)	1 USB Audio
Serial Port (Terminal Block)	1 RS-232, 1 RS-485
GPI/O Port (Terminal Block)	8x8 GPI/O
Power	
AC Power	110 to 240 VAC at 50 or 60 Hz
Power Consumption	15 W
Enclosure	
Chassis Material	Aluminum
Chassis Color	Black
Chassis Dimensions (H×W×D)	482 x 260 x 44 mm (19 x 10.25 x 1.75 in)
Chassis Weight	3 kg (6.6 lb)
Environment	
Operating Temperature	0 to +40 °C (+32 to +104 °F)
Humidity	10% to 90% RH (non-condensing)
Compliance	
Regulatory Compliance	FCC, CCC, CE, RoHS
Package Contents	
	(1) DTX-6464D, (1) USB Type-A Cable, Mounting Ears

Note: Specifications subject to change without notice.

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