DANTE AUDIO SWITCHING BOARD KIT FOR ENOVA DGX 3200

DGX3200-ASB-DAN (FG1061-832)

Overview

The DGX3200-ASB-DAN is an audio switching board kit featuring direct Dante networked audio feeds to and from the Enova DGX 800/1600/3200 enclosures. The boards support 8 discrete stereo decoded inputs and 8 discrete stereo encoded outputs. This allows for independent routing of decoded inputs, or breakaway to decoded audio outputs, into a networked audio system such as HARMAN's BSS. Additionally, the kits feature audio breakaway, downmixing, and a host of DSP functionality such as EQ, volume control, and stereo summing on every path.

Features

- **Direct Dante Integration into the Enova DGX –** Reduces the physical installation time for inserted and extracted audio paths from the Enova DGX system as Dante network enabled signals
- **Easy Integration with Dante Enabled Devices including HARMAN BSS and Crown –** Utilizing Dante, the industry's most standard networked audio format, integration of traditional Centralized AV and networked audio is quick and easy
- **Simplified Integration with Building-Wide Audio –** Utilizing Dante, the industry's most standard networked audio format, integration of traditional Centralized AV and networked audio is quick and easy
- **Audio Breakaway Switching –** Audio breakaway switching functionality allows for flexible combining of audio and video signals even if they originated from different sources

- **Integrated DSP Including a 10-Band Parametric EQ on Every Output –** Audio equalization allows the sound in each zone to be tuned specifically to match the individual audio characteristics of each environment. After easy setup with the integrated web GUI, the same audio source can be heard perfectly in each zone regardless of acoustical differences.

Specifications

GENERAL	
Compatible Enova DGX Systems	Enova DGX 800 /1600 / 3200
Compatible Enova DGX I/O Boards	•DGX-I-HDMI, Enova DGX HDMI Input Board (FG1058-540) •DGX-I-HDM-4K, Enova DGX 4K HDMI Input Board (FG1061-540) •DGX-O-HDMI, Enova DGX HDMI Output Board (FG1058-550) •DGX-I-DVI, Enova DGX DVI Input Board (FG1058-600) •DGX-O-DVI, Enova DGX DVI Output Board (FG1058-610) •DGX-I-DXL, Enova DGX DXLink Twisted Pair Input Board (FG1058-570) •DGX-I-DXL-4K, Enova DGX 4K DXLink Twisted Pair Input Board (FG1061-570) •DGX-O-DXL, Enova DGX DXLink Twisted Pair Output Board (FG1058-580) •DGX-O-DXL-4K, Enova DGX 4K DXLink Twisted Pair Output Board (FG1061-580) •DGX-I-DXF-MMD, Enova DGX DXLink Multimode Fiber Input Board, Duplex (FG1058-622) •DGX-O-DXF-MMD, Enova DGX DXLink Multimode Fiber Output Board, Duplex (FG1058-632) •DGX-I-DXF-MMS, Enova DGX DXLink Multimode Fiber Input Board, Simplex (FG1058-623) •DGX-O-DXF-MMS, Enova DGX DXLink Multimode Fiber Output Board, Simplex (FG1058-633) •DGX-I-DXF-SMD, Enova DGX DXLink Single Mode Fiber Input Board, Duplex (FG1058-620) •DGX-O-DXF-SMD, Enova DGX DXLink Single Mode Fiber Output Board, Duplex (FG1058-630) •DGX-I-DXF-SMS, Enova DGX DXLink Single Mode Fiber Input Board, Simplex (FG1058-621) •DGX-O-DXF-SMS, Enova DGX DXLink Single Mode Fiber Output Board, Simplex (FG1058-631)

AUDIO SWITCHING	
Audio Switching	•16x16 (DGX 800), 24x24 (DGX 1600) or 40x40 (DGX 3200) Matrix Audio Switching. Each of the embedded or auxiliary encoded Dante outputs has independent volume, EQ and sync delay

AUDIO INPUTS	
8,16, or 32 Embedded Digital Audio Inputs from Video Input Positions	(Embedded audio must originate as 2 channel PCM) Applies to embedded audio inputs on Enova DGX Input Boards for positions 1-8 (DGX 800) / 1-16 (DGX 1600) / 1-32 (DGX 3200)
Auxiliary Decoded Dante Inputs	8 from Primary or Secondary RJ-45 for connection to Dante network; Decoded stereo audio signals available as Enova DGX Audio inputs 9-16 (DGX 800) / 17-24 (DGX 1600) / 33-40 (DGX 3200)

AUDIO OUTPUTS	
8, 16 or 32 Embedded Digital Audio to Video Outputs	Applies to embedded audio outputs on Enova DGX Output Boards for positions 1-8 (DGX 800) / 1-16 (DGX 1600) / 1-32 (DGX 3200)
Auxiliary Encoded Dante Outputs	8 to Primary or Secondary RJ-45 for connection to Dante network; Encoded stereo audio signals provided as Enova DGX Audio outputs 9-16 (DGX 800) / 17-24 (DGX 1600) / 33-40 (DGX 3200)

AUDIO ADJUSTMENTS PER INPUT (EMBEDDED VIDEO AND AUXILIARY DANTE DECODED INPUTS)	
Audio Input Compression	•Independent Compression per input •Attack: 1 to 2000 ms •Release: 10 to 5000 ms •Compression Ratio: 1 to 20 •Threshold: -60 to 0 dB
Audio Input Gain Compensation	-24 dB to +24 dB, 1 dB steps

AUDIO ADJUSTMENTS PER OUTPUT (EMBEDDED VIDEO AND AUXILIARY DANTE DECODED OUTPUTS)	
Audio Output Compression	•10-band parametric EQ with variable center frequency, filter type and Q per band •Center Frequency: 20 Hz to 20 kHz •EQ Gain: -12 to +12 dB •Q: 0.1 to 20 •Filter Types: Bell, Bass Shelving, Treble Shelving, Low Pass, High Pass, Band Pass, Band Stop
Audio Output Sync Delay	0 to 200 ms
Balance Control	20 steps each left and right
Audio Control per Output	Independent EQ, Volume and Balance control per output
Test Tone Generator	Single selection of test tone type available on all outputs simultaneously. Individually enabled/disabled per output – 60 Hz, 250 Hz, 400 Hz, 1 kHz, 3Hz, 5 kHz, 10 kHz, Pink Noise, White Noise

AUXILIARY DANTE DECODED AUDIO INPUTS	
SPECS TBD	

AUXILIARY DANTE DECODED AUDIO OUTPUTS	
SPECS TBD	

DOWNMIX	
Downmix Input	Downmix input fed from selectable embedded audio input from any Enova DGX Input Board. Downmixed audio switchable to all embedded/auxiliary Dante encoded audio outputs
Downmix Input Format Support	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, 2 CH through 8 CH L-PCM

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