NEW 100 SERIES

enova DGX

THE NEXT GENERATION DOES EVEN MORE!

100 SERIES IS READY TO SUPPORT TODAY'S DEMANDING REQUIREMENTS, TOMORROW'S GROWING NEEDS

The entire line of Enova DGX Digital Media Switchers are fully capable of supporting 4K and Ultra High Definition (UHD) content.

ULTRA 4K HD

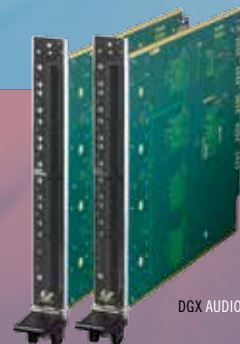**DGX 800** **DGX 1600** **DGX 3200** **DGX 6400**

NEW

DGX WEB CONFIGURATION

NEW ONBOARD WEB CONFIGURATION

Imagine using your handheld tablet to configure a complete Enova DGX system. Now you can with the new Onboard Web Configuration Tool that allows any network connected device to be used to setup and manage an Enova DGX system. DXLink endpoints can now be automatically configured and the entire system managed using a single IP address.

NEW AUDIO BREAKAWAY

Offers increased AV flexibility by combining and separating audio from video when combined with new Enova DGX Audio Switching Boards

DGX AUDIO SWITCHING BOARD SET

ᴇnova DGX 8/16

NEW **Automatic DXLink Endpoint Setup**
Simplifies installation by auto-discovering DXLink devices when they are connected to an Enova DGX

NEW **Audio Breakaway**
Offers increased AV flexibility by combining and separating audio from video when combined with new Enova DGX Audio Switching Boards

SmartScale® Technology
Automatically outputs video that is perfectly scaled for each connected display, preventing inferior video quality which occurs when sources and displays have different supported resolutions

Built in NetLinx Controller
Easily program and manage the entire solution including source equipment and display devices located across multiple rooms – all from a single point of control

InstaGate Pro® Technology
Easily integrate HDCP into system designs and enjoy hassle-free matrix switching to all compliant displays. No tools, no delays, and no key constraints – it just works

DXLink Twisted Pair Input and Output Boards
HDCP Compliant boards send audio, video, control, Ethernet and power over one standard twisted pair cable up to 200m – 100m to the matrix switcher and 100m after the matrix switcher

Combining Switching and Control Plus a Whole Lot More

The Enova DGX is the most reliable end-to-end analog, digital and HDMI/HDCP distribution solution on the market today. It also includes control, transcoding, scaling – all in a single box that's half the size of the competition.

Key Features

NEW

- **DGX System Onboard Web Configuration** – Greatly simplifies the setup and configuration of Enova DGX systems including DXLink endpoints in a single user-friendly interface

- **HDCP With Simplicity of Analog** – Hassle free plug and play operation eliminates the need for time consuming cumbersome work around tools to deal with HDCP key constraints and resolution incompatibilities

- **All-In-One Control and Distribution Solution** – Powerful combination of modular matrix switcher, built-in controller, embedded Ethernet switch and video scaling on every output simplifies the end-to-end distribution and management of audio, video and control throughout multiple rooms

Quick Facts Enova DGX 8 System

Control	Max Inputs/ Outputs	AIE Board Slots	Video	Audio	Integrated Technologies	Enclosure Size (HWD)
Integrated NetLinx Central Controller	8 x 8	1 in 1 out	HDMI, DVI, DisplayPort++, RGBHV, Component, S-Video, Composite	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, 2 CH though 8 CH L-PCM, Dolby Digital and DTS support up to 48kHz, 5.1 channels	DXLink Fiber Single Mode & Multimode Distribution, DXLink Twisted Pair Distribution, Embedded Ethernet Switch, HDCP Compliance	6 13/16" x 19" x 15" (4 RU)

Quick Facts Enova DGX 16 System

Control	Max Inputs/ Outputs	AIE Board Slots	Video	Audio	Integrated Technologies	Enclosure Size (HWD)
Integrated NetLinx Central Controller	16 x 16	1 in 1 out	HDMI, DVI, DisplayPort++, RGBHV, Component, S-Video, Composite	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, 2 CH though 8 CH L-PCM, Dolby Digital and DTS support up to 48kHz, 5.1 channels	DXLink Fiber Single Mode & Multimode Distribution, DXLink Twisted Pair Distribution, Embedded Ethernet Switch, HDCP Compliance	6 13/16" x 19" x 15" (4 RU)

ENOVA DGX 32/64

Boards for All
The new Enova DGX 32 and 64 Enclosures utilizes the same board sets as the Enova DGX 8/16 – lower the total cost of ownership through reduction in spare/expansion inventory

NEW Audio Breakaway
Offers increased AV flexibility by combining and separating audio from video when combined with new Enova DGX Audio Switching Boards

SmartScale® Technology
Automatically outputs video that is perfectly scaled for each connected display, preventing inferior video quality which occurs when sources and displays have different supported resolutions

NEW Automatic DXLink Endpoint Setup
Simplifies installation by auto-discovering DXLink devices when they are connected to an Enova DGX

DXLink Twisted Pair Input and Output Boards
HDCP Compliant boards send audio, video, control, Ethernet and power over one standard twisted pair cable up to 200m – 100m to the matrix switcher and 100m after the matrix switcher

Enova DGX 64 + DXLink Fiber = 100x Greater Distribution

All the Features, Capabilities and Functionality of the Enova DGX Family Now in an I/O Range of 64x64 and Distribution up to 6 Miles

The new Enova DGX 32 and 64 Enclosures includes all the features that have made the Enova DGX Series the leader in the world of digital media switchers including Integrated NetLinx Controller, redundant power supplies, SmartScale, InstaGate Pro, integrated Ethernet Switch and more.

Key Features

- **DGX System Onboard Web Configuration** – Greatly simplifies the setup and configuration of Enova DGX systems including DXLink endpoints in a single user-friendly interface

- **HDCP With Simplicity of Analog** – Hassle free plug and play operation eliminates the need for time consuming cumbersome work around tools to deal with HDCP key constraints and resolution incompatibilities

- **All-In-One Control and Distribution Solution** – Powerful combination of modular matrix switcher, built-in controller, embedded Ethernet switch and video scaling on every output simplifies the end-to-end distribution and management of audio, video and control throughout multiple rooms

Quick Facts Enova DGX 32 System

Control	Max Inputs/ Outputs	AIE Board Slots	Video	Audio	Integrated Technologies	Enclosure Size (HWD)
Integrated NetLinx Central Controller	32 x 32	1 in 1 out	HDMI, DVI, DisplayPort++, RGBHV, Component, S-Video, Composite	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, 2 CH though 8 CH L-PCM, Dolby Digital and DTS support up to 48kHz, 5.1 channels	DXLink Fiber Single Mode & Multimode Distribution, DXLink Twisted Pair Distribution, Embedded Ethernet Switch, HDCP Compliance	10 1/2" x 19" x 20 1/8" (6 RU)

Quick Facts Enova DGX 64 System

Control	Max Inputs/ Outputs	AIE Board Slots	Video	Audio	Integrated Technologies	Enclosure Size (HWD)
Integrated NetLinx Central Controller	64 x 64	4 in 4 out	HDMI, DVI, DisplayPort++, RGBHV, Component, S-Video, Composite	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, 2 CH though 8 CH L-PCM, Dolby Digital and DTS support up to 48kHz, 5.1 channels	DXLink Fiber Single Mode & Multimode Distribution, DXLink Twisted Pair Distribution, Embedded Ethernet Switch, HDCP Compliance	22 11/16" x 19" x 20 1/8" (13 RU)

enova DGX

Any Board
Any Enclosure

ALL Enova DGX, DXLink and DXLink Fiber boards fit in any Enova DGX Enclosure. Visit AMX.com and use the Enova DGX Configuration Tool to design your next digital media switcher, complete with compatible DXLink Twisted Pair and Fiber Transmitters/Receivers.

Enova DGX Enclosures

All Enova DGX Enclosures are also equipped with an Integrated NetLinx NX Series Central Control Processor, Redundant Power Supplies, SmartScale, InstaGate Pro and Built-In Ethernet Switch

	ENOVA DGX 8	ENOVA DGX 16	ENOVA DGX 32	ENOVA DGX 64
Input / Output Board Slots (4 Connections / Board)	2 / 2	4 / 4	8 / 8	16 / 16
Audio Insert / Extract Board Input / Output Slots	1 / 1	1 / 1	1 / 1	4 / 4

BOARD	MODEL	CONNECTIONS	HDCP	DISTANCE	TRANSMISSION DATA RATE	TRANSMITTED EMBEDDED IR / RS-232 / NETLINX CONTROL	SMARTSCALE
Local							
HDMI Input Board	DGX-I-HDMI	4 HDMI	Yes	30.5 m / 100 ft*	n/a	n/a	n/a
DVI Input Board	DGX-I-DVI	4 DVI-D	Yes	30.5 m / 100 ft**	n/a	n/a	n/a
HDMI Output Board	DGX-O-HDMI	4 HDMI	Yes	15 m / 49 ft***	n/a	n/a	Yes
DVI Output Board	DGX-O-DVI	4 DVI-D	Yes	15 m / 49 ft***	n/a	n/a	Yes
Audio Insert / Extract Board	DGX-AIE	8 pluggable, dual three-position, terminal blocks each containing two single-ended stereo contacts	n/a	n/a	n/a	n/a	n/a
DXLink Twisted Pair							
Twisted Pair Input Board	DGX-I-DXL	4 RJ-45	Yes	100 m / 328 ft****	10.2 Gbps	Yes	n/a
Twisted Pair Output Board	DGX-O-DXL	4 RJ-45	Yes	100 m / 328 ft****	10.2 Gbps	Yes	Yes, at DXLink RX
DXLink Fiber, Multimode Fiber featuring Field Serviceable SFP Modules							
Multimode Fiber Input Board (Duplex)	DGX-I-DXF-MMD	4 LC Duplex	Yes	300 m / 984 ft	10 Gbps	Yes	n/a
Multimode Fiber Input Board (Simplex)	DGX-I-DXF-MMS	4 LC Simplex	Yes	300 m / 984 ft	10 Gbps	n/a	n/a
Multimode Fiber Output Board (Duplex)	DGX-O-DXF-MMD	4 LC Duplex	Yes	300 m / 984 ft	10 Gbps	Yes	Yes, at DXLink Fiber RX
Multimode Fiber Output Board (Simplex)	DGX-O-DXF-MMS	4 LC Simplex	Yes	300 m / 984 ft	10 Gbps	n/a	Yes, at DXLink Fiber RX
DXLink Fiber, Single Mode Fiber featuring Field Serviceable SFP Modules							
Single Mode Fiber Input Board (Duplex)	DGX-I-DXF-SMD	4 LC Duplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	Yes	n/a
Single Mode Fiber Input Board (Simplex)	DGX-I-DXF-SMS	4 LC Simplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	n/a	n/a
Single Mode Fiber Output Board (Duplex)	DGX-O-DXF-SMD	4 LC Duplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	Yes	Yes, at DXLink Fiber RX
Single Mode Fiber Output Board (Simplex)	DGX-O-DXF-SMS	4 LC Simplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	n/a	Yes, at DXLink Fiber RX

*Features Input Equalization, adaptive up to 100ft (30m) at 225 MHz (cable distance support dependent on cable type and signal format)
**Features Input Equalization, adaptive up to 100ft (30m) at 165 MHz (cable distance support dependent on cable type and signal format)
***Dependent on cable quality and display
****For more details and helpful cabling information, please reference the AMX white paper titled "Cabling for Success with DXLink"