New Links to Fiber

New DXLink Fiber Single Mode and Multimode Transmitters, Receivers, Input and Output Boards expand the reach of HDMI campus-wide – at industry leading speed with 10 Gbps data transfer rate. Now clear, uncompressed, digital video including HDCP protected content can be delivered with maximum security.

- HDMI with HDCP up to 10 Km (6 miles) Extend the reach of your digital video well beyond the capabilities of twisted pair
- 10 Gbps Leading the industry with the fastest optical transport data rate
- Secure and isolated Fiber inherently provides extra security and electrical isolation making it the transport method of choice for many mission-critical secure environments
- Fiber your way DXLink Fiber TX/RX and I/O Boards are available in single mode or multimode; simplex or duplex to meet the needs of any installation

INTRODUCING DXLINK FIBER – EXTENDING THE REACH OF THE ENOVA DGX UP TO 10 KM



Epica DGX 288 Fiber Matrix Switcher



The DXLink Fiber Single Mode Transmitters and Receivers are also compatible with the new Epica DGX 288 Fiber Matrix Switcher. The industry's fastest jumbo-sized optical matrix switcher that securely transports uncompressed video over fiber including HDMI with HDCP.

NEW

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

Fiber Your Way

Input/Output Boards available in single mode or multimode fiber each in simplex or duplex – customize the Enova DGX with any combination of boards for campus-wide distribution

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

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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

HDCP Compliant

Distribute, convert, and scale HDMI signals with full HDCP compliance without interruption using any of the Enova DGX DVI HDMI or DXLink Boards

Secure and Isolated

Fiber inherently provides maximum security and electrica isolation making it the transport method of choice for missioncritical environments

Enova DGX 64 + DXLink Fiber = 100x Greater Distribution Footprint

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 64 Enclosure 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. Does it get any better? Yes, actually, how about distribution up to 6 miles? The addition of new single mode and multimode fiber board options (each available in simplex or duplex) makes campus-wide distribution of uncompressed content (including HDCP protected content) a breeze.

Key Features

- 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

Quick Facts Enova DGX 64 System

Control	Max Inputs/ Max 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)

video scaling on every output simplifies the end-to-end distribution and management of audio, video and control throughout multiple rooms

 Fast Easy Installation – Easily incorporate HDCP into system designs – No tools, no delays, and no key constraints – it just works

Common Applications

The Enova DGX 64 can route and transmit up to 64 pure high resolution analog and digital video sources up to 6 miles making it the perfect solution for government agencies, command-and-control environments, universities, hospitals, casinos, retail environments or any facility that demands the highest quality video be shared campus-wide.



DIGITAL MEDIA SWITCHERS

New DXLink Fiber TX/RX and

I/O Boards available in single mode or multimode; simplex or duplex are compatible with Enova DGX 8, 16, 32 and 64 Enclosures

NEW Even More High Powered

Enova DGX 8/16/32 enclosures can now power even more devices over DXLink with new 1200 (DGX 32) and 850 (DGX 8/16) watt power supplies - two per enclosure

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



Combining Switching and Control Plus a Whole Lot More

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

Key Features

- 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
- Fast Easy Installation Easily incorporate HDCP into system designs - No tools, no delays, and no key constraints – it just works

Quick Facts Enova DGX 8 System

Control	Max I/O	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 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 I/O	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 Twisted Pair Distribution, Embedded Ethernet Switch, HDCP Compliance	6 13/16" x 19" x 15" (4 RU)

Quick Facts Enova DGX 32 System

Control	Max I/O	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 Twisted Pair Distribution, Embedded Ethernet Switch, HDCP Compliance	10 1/2" x 19" x 20 1/8" (6 RU)

enova dgx



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

HDCP Compliant

Distribute, convert, and scale HDMI signals with full HDCP compliance without interruption using any of the Enova DGX DVI, HDMI or DXLink Board

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

Any Board Any

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.

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Enclosure

Enova DGX Enclosures

All Enova DGX Enclosures are also equipped with Integrated NetLinx Controll, 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)		4 / 4		16 / 16
Audio Insert / Extract Board Input / Output Slots	1/1	1 / 1	1/1	4 / 4

MODEL	CONNECTIONS	HDCP	DISTANCE	TRANSMISSION DATA RATE	TRANSMITTED EMBEDDED IR / RS-232 / NETLINX CONTROL	SMARTSCALE
AVS-ENOVADGX32- VI-HDMI	4 HDMI	Yes	30.5 m / 100 ft*	n/a	n/a	n/a
AVS-ENOVADGX32- VI-DVI	4 DVI-D	Yes	30.5 m / 100 ft**	n/a	n/a	n/a
AVS-ENOVADGX32- VO-HDMI	4 HDMI	Yes	15 m / 49 ft***	n/a	n/a	Yes
AVS-ENOVADGX32- VO-DVI	4 DVI-D	Yes	15 m / 49 ft***	n/a	n/a	Yes
AVS-ENOVADGX32- AUD-INS-EXT	8 pluggable, dual three- position, terminal blocks each containing two single- ended stereo contacts	n/a		n/a	n/a	n/a
AVS-ENOVADGX32- VI-DXLINK	4 RJ-45	Yes	100 m / 328 ft****	10.2 Gbps	Yes	n/a
AVS-ENOVADGX32- VO-DXLINK	4 RJ-45	Yes	100 m / 328 ft****	10.2 Gbps	Yes	Yes, at DXLink RX
e Fiber featuring Field Ser	viceable SFP Modules					
ENOVADGX-VI-DXLINK- MMF-D	4 LC Duplex	Yes	300 m / 984 ft	10 Gbps	Yes	n/a
ENOVADGX-VI-DXLINK- MMF-S	4 LC Simplex	Yes	300 m / 984 ft	10 Gbps	n/a	n/a
ENOVADGX-VO-DX- LINK-MMF-D	4 LC Duplex	Yes	300 m / 984 ft	10 Gbps	Yes	Yes, at DXLink Fiber RX
ENOVADGX-VO-DX- LINK-MMF-S	4 LC Simplex	Yes	300 m / 984 ft	10 Gbps	n/a	Yes, at DXLink Fiber RX
de Fiber featuring Field S	erviceable SFP Modules					
ENOVADGX-VI-DXLINK- SMF-D	4 LC Duplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	Yes	n/a
ENOVADGX-VI-DXLINK- SMF-S	4 LC Simplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	n/a	n/a
ENOVADGX-VO-DX- LINK-SMF-D	4 LC Duplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	Yes	Yes, at DXLink Fiber RX
ENOVADGX-VO-DX- LINK-SMF-S	4 LC Simplex	Yes	10 Km / 32,808 ft / 6.21 miles	10 Gbps	n/a	Yes, at DXLink Fiber RX
	AVS-ENOVADGX32- VI-HDMI AVS-ENOVADGX32- VI-DVI AVS-ENOVADGX32- VO-HDMI AVS-ENOVADGX32- VO-DVI AVS-ENOVADGX32- AUD-INS-EXT AVS-ENOVADGX32- AUD-INS-EXT AVS-ENOVADGX32- VI-DXLINK AVS-ENOVADGX32- VI-DXLINK AVS-ENOVADGX32- VO-DXLINK ENOVADGX-VI-DXLINK- MMF-D ENOVADGX-VI-DXLINK- MMF-D ENOVADGX-VI-DXLINK- SMF-S ENOVADGX-VI-DXLINK- SMF-D ENOVADGX-VI-DXLINK- SMF-S ENOVADGX-VI-DXLINK- SMF-S ENOVADGX-VI-DXLINK- SMF-S ENOVADGX-VI-DXLINK- SMF-S	AVS-ENOVADGX32- VI-HDMI 4 HDMI AVS-ENOVADGX32- VI-DVI 4 DVI-D AVS-ENOVADGX32- VO-HDMI 4 DVI-D AVS-ENOVADGX32- VO-DVI 4 DVI-D AVS-ENOVADGX32- VO-DVI 4 DVI-D AVS-ENOVADGX32- VO-DVI 8 pluggable, dual three- position, terminal blocks each containing two single- ended stereo contacts AVS-ENOVADGX32- VI-DXLINK 4 RJ-45 AVS-ENOVADGX32- VI-DXLINK 4 RJ-45 AVS-ENOVADGX32- VO-DXLINK 4 RJ-45 AVS-ENOVADGX32- VO-DXLINK 4 LC Duplex ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex ENOVADGX-VO-DX- LINK-MMF-S 4 LC Simplex ENOVADGX-VO-DX- LINK-MMF-D 4 LC Duplex ENOVADGX-VI-DXLINK- SMF-D 4 LC Duplex ENOVADGX-VI-DXLINK- SMF-S 4 LC Simplex ENOVADGX-VI-DXLINK- SMF-D 4 LC Duplex ENOVADGX-VI-DXLINK- SMF-S 4 LC Simplex ENOVADGX-VI-DXLINK- SMF-S 4 LC Duplex ENOVADGX-VI-DXLINK- SMF-S 4 LC Simplex ENOVADGX-VI-DXLINK- SMF-S 4 LC Simplex ENOVADGX-VO-DX- LINK-SMF-D 4 LC Simplex	AVS-ENOVADGX32- VI-HDMI4 HDMIYesAVS-ENOVADGX32- VI-DVI4 DVI-DYesAVS-ENOVADGX32- VO-HDMI4 HDMIYesAVS-ENOVADGX32- VO-DVI4 DVI-DYesAVS-ENOVADGX32- VO-DVI8 pluggable, dual three- position, terminal blocks each containing two single- ended stereo contactsn/aAVS-ENOVADGX32- VO-DVI8 pluggable, dual three- position, terminal blocks each containing two single- ended stereo contactsn/aAVS-ENOVADGX32- VO-DXLINK8 RJ-45YesAVS-ENOVADGX32- VO-DXLINK4 RJ-45YesAVS-ENOVADGX32- VO-DXLINK4 LC DuplexYesENOVADGX-VI-DXLINK- MMF-D4 LC DuplexYesENOVADGX-VO-DX- LINK-MMF-S4 LC SimplexYesENOVADGX-VO-DX- LINK-MMF-S4 LC DuplexYesENOVADGX-VI-DXLINK- SMF-D4 LC DuplexYesENOVADGX-VI-DXLINK- SMF-D4 LC DuplexYesENOVADGX-VI-DXLINK- SMF-S4 LC DuplexYesENOVADGX-VI-DXLINK- SMF-S4 LC DuplexYesENOVADGX-VI-DXLINK- SMF-S4 LC DuplexYesENOVADGX-VI-DXLINK- SMF-S4 LC DuplexYesENOVADGX-VO-DX- LINK-SMF-D4 LC DuplexYesENOVADGX-VO-DX- LINK-SMF-D4 LC DuplexYesENOVADGX-VO-DX- LINK-SMF-D4 LC DuplexYesENOVADGX-VO-DX- LINK-SMF-D4 LC DuplexYes	AVS-ENOVADGX32- VI-HDMI 4 HDMI Yes 30.5 m / 100 ft* AVS-ENOVADGX32- VI-DVI 4 DVI-D Yes 30.5 m / 100 ft* AVS-ENOVADGX32- VI-DVI 4 DVI-D Yes 15 m / 49 ft*** AVS-ENOVADGX32- VO-HDMI 4 DVI-D Yes 15 m / 49 ft*** AVS-ENOVADGX32- VO-DVI 4 DVI-D Yes 15 m / 49 ft*** AVS-ENOVADGX32- VO-DVI 8 pluggable, dual three- position, terminal blocks each containing two single- ended stereo contacts n/a n/a AVS-ENOVADGX32- VI-DXLINK 4 RJ-45 Yes 100 m / 328 ft**** AVS-ENOVADGX32- VI-DXLINK 4 RJ-45 Yes 300 m / 984 ft AVS-ENOVADGX32- VI-DXLINK 4 LC Duplex Yes 300 m / 984 ft ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex Yes 300 m / 984 ft ENOVADGX-VI-DXLINK- MMF-S 4 LC Duplex Yes 300 m / 984 ft ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex Yes 300 m / 984 ft ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex Yes 10 Km / 32,808 ft / 6.21 miles ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex Yes 10 Km / 32,808 ft / 6.21 miles ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex Yes 10 Km / 32,808 ft / 6.21 miles	MODEL CONNECTIONS HDCP DISTANCE DATA RATE AVS-ENOVADGX32- VI-DM 4 HDMI Yes 30.5 m / 100 ft* n/a AVS-ENOVADGX32- VI-DM 4 DVLD Yes 30.5 m / 100 ft** n/a AVS-ENOVADGX32- VO-HDMI 4 DVLD Yes 15 m / 49 ft*** n/a AVS-ENOVADGX32- VO-DMI 4 DVLD Yes 15 m / 49 ft*** n/a AVS-ENOVADGX32- VO-DMI 8 pluggable, dual three- ended stereo contacts n/a n/a n/a AVS-ENOVADGX32- VO-DXLINK 8 pluggable, dual three- ended stereo contacts n/a n/a n/a AVS-ENOVADGX32- VO-DXLINK 4 RJ-45 Yes 100 m / 328 ft**** 10.2 Gbps AVS-ENOVADGX32- VO-DXLINK 4 RJ-45 Yes 300 m / 984 ft 10.2 Gbps ENOVADGX-VI-DXLINK- MMF-D 4 LC Duplex Yes 300 m / 984 ft 10 Gbps ENOVADGX-VI-DXLINK- LINK-MMF-D 4 LC Duplex Yes 300 m / 984 ft 10 Gbps ENOVADGX-VI-DXLINK- LINK-MMF-D 4 LC Duplex Yes 10 Km / 32.808 ft 10 Gbps ENOVADGX-V	MODELCONNECTIONSHDCPDISTANCEINKANABATEIR / RS-232 / NETLINX CONTROLAVS-ENOVADGX32- V-HOM4 HDMIYes30.5 m / 100 ft**n/an/aAVS-ENOVADGX32- V-LOX4 DVI-DYes30.5 m / 100 ft**n/an/aAVS-ENOVADGX32- VO-DVI4 DVI-DYes30.5 m / 100 ft**n/an/aAVS-ENOVADGX32- VO-DVI4 HDMIYes15 m / 49 ft***n/an/aAVS-ENOVADGX32- VO-DVI4 DVI-DYes15 m / 49 ft***n/an/aAVS-ENOVADGX32- vO-DVI8 plugable, dual three- position, terminal blocks ended store contactsn/an/an/aAVS-ENOVADGX32- vO-DVINK4 RJ-45Yes100 m / 228 ft****10.2 GbpsYesAVS-ENOVADGX32- vO-DXLINK4 RJ-45Yes100 m / 228 ft****10.2 GbpsYesAVS-ENOVADGX32- vO-DXLINK4 RJ-45Yes300 m / 984 ft10.2 GbpsYesAVS-ENOVADGX32- vO-DXLINK4 LC DuplexYes300 m / 984 ft10 Gbpsn/aENOVADGX-VO-DX- LINK-MMF-D4 LC DuplexYes300 m / 984 ft10 Gbpsn/aENOVADGX-VO-DX- LINK-MMF-D4 LC DuplexYes10 Km / 32,808 ft10 Gbpsn/aENOVADGX-VO-DX- LINK-MMF-D4 LC DuplexYes10 Km / 32,808 ft10 Gbpsn/aENOVADGX-VO-DX- LINK-MMF-D4 LC DuplexYes10 Km / 32,808 ft10 Gbpsn/aENOVADGX-VO-DX- LINK-MF-D4 LC DuplexYes

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" Field Serviceable Fiber Modules Easily remove and replace SFP modules in the field HDCP Compliant Distribute, convert, and scale HDMI signals with full HDCP compliance without interruption

Fiber Your Way DXLink Fiber TX/RX and I/O Boards are available in single mode or multimode; simplex or duplex to meet the needs of any installation

Secure and Isolated

Fiber inherently provides extra security and electrical isolation making it the transport method of choice for many mission-critical secure environment

InstaGate Pro® Technology

asily integrate HDCP into /stem designs and enjoy assle-free matrix witching to allcompliant isplays. No tools, no elays, and no key onstraints – it just works

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

FIBER Great Distances at High Speeds

Use the Enova DGX DXLink Fiber Input and Output boards in conjunction with DXLink Fiber Transmitters and Receivers to send audio, video, control and Ethernet over fiber up to 10 Km at 10 Gpbs that's the fastest optical transport data rate in the industry. These DXLink Fiber solutions are available in single mode or multimode and simplex or duplex to provide exactly what any facility requires.

Compatible with all Enova DGX Enclosures including the 8, 16, 32 and 64 it's easier than ever to design and expand any system. The Enova DGX system provides end-to-end distribution of analog and digital AV (including pure, uncompressed HDMI with HDCP compliance) throughout any corporate or mission-critical campus. The compatible Enova DGX Digital Media Enclosures have integrated NetLinx, and the duplex versions of DXLink Fiber extend that native NetLinx to control end-point devices.

Key Features

- 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
- Campus-Wide Signal Distribution Distribute video between buildings without constraints or quality loss
- Maximum Security Attract customers who demand the enhanced security transport of fiber

Quick Facts DXLink Fiber Transmitters

DXLink Transport Connec- tor	Video Connectors	Audio Connec- tors Connec- tors Video		Audio	Integrated Technologies	
4 LC DUPLEX OR 4 LC SIMPLEX	HD-15, 2 HDMI (1 Input, 1 Local Out that Mirrors Transmitted Output)	3.5mm Stereo, RCA	2 Phoenix- style, 3.5mm Stereo, USB B, RJ-45	HDMI, DVI, DisplayPort++, RGBHV, Component, S-Video, Composite	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, L-PCM, Analog Stereo	HDCP Compliance, Embedded Ethernet Distribution, Embedded NetLinx Control

Quick Facts DXLink Fiber Receivers

DXLink Transport Connec- tor	Video Connectors	Audio Connec- tors	Control Connec- tors	Video	Audio	Integrated Technologies
4 LC DUPLEX OR 4 LC SIMPLEX	HDMI	3.5mm Stereo	2 Phoenix- style, 3.5mm Stereo, USB B, RJ-45	HDMI, DVI	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, L-PCM, Analog Stereo	SmartScale, Embedded Ethernet Distribution, Embedded NetLinx Control, HDCP Compliance

Quick Facts DXLink Fiber Input Boards

DXLink	Transport Connector	Video Connectors	Audio Connectors
4	4 LC DUPLEX OR 4 LC SIMPLEX	Video from DXLink Fiber Transmitters	Audio from DXLink Fiber Transmitters

Quick Facts DXLink Fiber Output Boards

4 LC DUPLEX OR 4 LC SIMPLEX	Video to DXLink Fiber Receivers	Audio to DXLink Fiber Receivers
DXLink Transport Connector	Video Connectors	Audio Connectors

ENOVA DXLINK FIBER

DIGITAL MEDIA SWITCHERS



Only One Twisted Pair Cable

Use the Enova DGX DXLink Input and Output boards in conjunction with the DXLink Transmitters and Receivers to send audio, video, control, Ethernet and power over a single twisted pair cable up to 200m – 100m to the matrix switcher and 100m after the matrix switcher. Expand the Enova DGX input and output size by increments of 4 using the DXLink Input and Output boards. The Enova DGX system provides end-to-end distribution of analog, digital and HDMI/HDCP signals plus control signals throughout a residence or commercial facility. Ideal for environments that demand the highest quality video be shared between rooms or even buildings.

Key Features

- 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 Power 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
- Fast Easy Installation When used with the DGX DXLink Input/Output boards, the DXLink Transmitters and Receivers are powered over the single category cable connection eliminating additional wiring hassles and need for additional power outlets.

Quick Facts DXLink HDMI Receiver

DXLink Transport Connec- tor	Video Con- nectors	Audio Connec- tors	Control Connec- tors	Video	Audio	Integrated Technologies
DXLINK RJ-45	HDMI	3.5mm Stereo	2 Phoenix- style, 3.5mm Stereo, USB A, RJ-45 Ethernet	HDMI, DVI	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, L-PCM, 2 CH though 8 CH L-PCM, Dolby Digital and DTS support up to 48kHz, 5.1 channels	SmartScale®, DXLink Twisted Pair Distribution, Power over DXLink, Embedded Ethernet Distribution, Embedded NetLinx Control, HDCP Compliance

Quick Facts DXLink Multi-Format Transmitters

Video Con- nectors	Audio Con- nectors	Control Connec- tors	DXLink Transport Connector	Video	Audio	Integrated Technologies
HDMI, HD-15	3.5mm Stereo (TX Module also has RCA)	2 Phoenix- style, 3.5mm Stereo, USB B (TX Module also has RJ- 45 Ethernet)	DXLink RJ-45	HDMI, DVI, DisplayPort++, RGBHV, Component, S-Video, Composite	Dolby TrueHD, Dolby Digital, DTS-HD Master Audio, DTS, L-PCM, 2 CH though 8 CH L-PCM, Dolby Digital and DTS support up to 48kHz, 5.1 channels	DXLink Twisted Pair Distribution, Power over DXLink, HDCP Compliance (TX Module also has Embedded Ethernet Distribution, Embedded NetLinx Control)

ENOVADXLINK[®]

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Decor Style DXLink Multi-Format Wallplate Transmitters = More Install Options

The DXLink Multi-Format Decor Style Wallplate Transmitter sends analog or digital video including HDMI/HDCP, along with embedded audio or supplemental analog audio up to 100 meters to an Enova DGX Digital Media Switcher, Enova DVX All-In-One Presentation Switcher (DVX-3155/3156HD/DVX-2155HD), or directly to a DXLink Receiver. It receives power over twisted pair cable from the Enova DGX, compatible Enova DVX (3155/3156HD or 2155HD), PS-POE-AT-TC High Power over Ethernet (POE) Injector, or the new Dual Power Over DXLink Controller (PDXL-2). These wallplates feature a multi-format analog port to support legacy devices and an HDMI port to support newer digital devices.

A single DXLink device can also be powered by the new DXLink-compatible PoE injector or up to 2 DXLink devices by the Dual Power over DXLink Controller. Note that, other third party PoE injectors are not supported for use with DXLink.

Key Features

- Only One Cable Send audio and video, while passing power over one twisted pair cable
- Multi-Format Analog Port and HDMI Port Supports legacy analog signals

 RGBHV, Component, S-Video, and Composite, and digital HDMI/HDCP, DisplayPort++ and DVI signals
- Send HDMI signals up to 100 meters Extend the reach of HDMI signals far beyond the capabilities of typical HDMI cabling

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Electrifying Double Feature Introducing the Dual Power over DXLink[™] Controller

The Dual Power over DXLink Controller (PDXL-2) allows for remote powering of any two DXLink twisted pair devices. It provides DC power for PoE-equipped devices by "injecting" DC power through a twisted pair cable. It also allows for I/O control from a NetLinx controller to power down any connected DXLink devices allowing them to be included in an overall room power savings mode.

The PDXL-2 allows for DXLink twisted pair devices to be powered over DXLink from a centralized location and eliminates the need for an AC outlet at each transmitter or receiver location. This enables a stand-alone point-to-point DXLink Transmitter to DXLink Receiver installation in a single room application.

Up to two DXLink twisted pair devices can be powered by the PDXL-2. Note that other third party PoE injectors are not supported for use with DXLink.

Key Features

- Simplifies Installation Perfect for situations where a local power supply at the DXLink device would not be viable
- Provides Flexibility Enables DXLink Wallplates to be used in a point-to-point solution
- Saves Energy By allowing DXLink twisted pair devices to be powered down when environments are not in use

ENOVADXLINK²⁷

Bringing Enova to

There are often cost and installation challenges that can make implementation of a traditional Enova system challenging. To bring Enova to every space, here is a simple, cost-effective solution that offers all the benefits of a full Enova system. Using the Enova DXLink transmitter and receiver in this configuration means that a simple Novara ControlPad can be configured to control the display. The serial commands are passed from the DXLink transmitter to the receiver without the requirement for any additional control. Using DXLink technology, all the connections required for a typical laptop are connected between the table and the display using a single low-cost cable which means a much simpler, trouble-free installation. For an even better user experience, a Modero S

Every Space

Series Touch Panel such as the MST-431 could be used in conjunction with a NetLinx processor.

To switch the system on, simply select the 'ON' button from the ControlPad. The ControlPad also provides the ability to adjust display volume and switch source inputs on the display. The DXLink Transmitter will conveniently auto switch between digital and analogue inputs, with the digital input always having priority. Thanks to AMX exclusive SmartScale technology, the image on the display will always look its best, regardless of the input type or resolution. And using our Rapid Project Maker configuration tool, there's never been an easier way to bring Enova to every space.

