

# Enova DGX 100 Series Digital Media Switcher Video Boards

## PRODUCT COMPARISON CHART

ALL Enova DGX, DXLink and DXLink Fiber boards fit in any Enova DGX 100 Series Enclosure. Visit [AMX.com](http://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 and Receivers.

	ENOVA DGX 800	ENOVA DGX 1600	ENOVA DGX 3200	ENOVA DGX 6400
Input / Output Board Slots (4 Connections / Board)	2 / 2	4 / 4	8 / 8	16 / 16
Audio Board Input /Output Slots	1 / 1	1 / 1	1 / 1	4 / 4

BOARD	MODEL	CONNECTIONS	HDCP	DISTANCE	BIDIRECTIONAL CONTROL OVER FIBER/TWISTED PAIR (ETHERNET, USB, IR, SERIAL, EDID)	SMARTSCALE	RECOMMENDED COMPATIBLE TX/RX
<b>Input Boards</b>							
4K60 HDMI Input Board	DGX-I-HDMI-4K60 (FG1061-542)	4 HDMI, 4 USB Mini-AB	Yes (2.2)	30.5 m / 100 ft*	n/a	n/a	n/a
4K HDMI Input Board	DGX-I-HDMI-4K (FG1061-540)	4 HDMI	Yes	30.5 m / 100 ft*	n/a	n/a	n/a
HD HDMI Input Board	DGX-I-HDMI (FG1058-540)	4 HDMI	Yes	30.5 m / 100 ft*	n/a	n/a	n/a
DVI Input Board	DGX-I-DVI (FG1058-600)	4 DVI-D	Yes	30.5 m / 100 ft**	n/a	n/a	n/a
4K60 Twisted Pair Input Board	DGX-I-DXL-4K60 (FG1061-572)	4 RJ45, 4 USB Mini-AB	Yes (2.2)	100 m / 328 ft****	Yes	n/a	DX-TX-4K60 (FG1010-312-01)
HD Twisted Pair Input Board	DGX-I-DXL (FG1058-570)	4 RJ-45	Yes	100 m / 328 ft****	Yes	n/a	DX-TX (FG1010-310) DX-TX-DWP (FG1010-325-BL/WH) DX-TX-WP (FG1010-320-BL/WH)
4K60 Fiber Input Board (Duplex)	DGX-I-DXFP-4K60 (FG1061-624)	4 LC Duplex, 4 USB Mini-AB	Yes (2.2)	300m / 984 ft	Yes	n/a	DXFP-TX-4K60 (FG1010-365-01)
HD Fiber Input Board (Multimode/Duplex)	DGX-I-DXF-MMD (FG1058-622)	4 LC Duplex	Yes	300 m / 984 ft	Yes	n/a	DXF-TX-MMD (FG1010-362) DXF-TX-MMS (FG1010-363)
HD Fiber Input Board (Multimode/Simplex)	DGX-I-DXF-MMS (FG1058-623)	4 LC Simplex	Yes	300 m / 984 ft	No	n/a	DXF-TX-MMS (FG1010-363) DXF-TX-MMD (FG1010-362)
HD Fiber Input Board (Single Mode/Duplex)	DGX-I-DXF-SMD (FG1058-620)	4 LC Duplex	Yes	10 Km / 32,808 Ft / 6.21 miles	Yes	n/a	DXF-TX-SMD (FG1010-360) DXF-TX-SMS (FG1010-361)
HD Fiber Input Board (Single Mode/Simplex)	DGX-I-DXF-SMS (FG1058-621)	4 LC Simplex	Yes	10 Km / 32,808 ft / 6.21 miles	No	n/a	DXF-TX-SMS (FG1010-361) DXF-TX-SMD (FG1010-360)
<b>Output Boards</b>							
4K60 HDMI Output Board	DGX-O-HDMI-4K60 (FG1061-552)	4 HDMI	Yes (2.2)	30.5 m / 100 ft*	n/a	No	n/a
HD HDMI Output Board	DGX-O-HDMI (FG1058-558)	4 HDMI	Yes	15 m / 49 ft***	n/a	Yes	n/a
DVI Output Board	DGX-O-DVI (FG1058-610)	4 DVI-D	Yes	15 m / 49 ft***	n/a	Yes	n/a
4K60 Twisted Pair Output Board	DGX-O-DXL-4K60 (FG1061-582)	4 RJ45, 4 USB Mini-AB	Yes (2.2)	100 m / 328 ft****	Yes	Yes, at DXLink RX	DX-RX-4K60 (FG1010-512-01)
HD Twisted Pair Output Board	DGX-O-DXL (FG1058-580)	4 RJ-45	Yes	100 m / 328 ft****	Yes	Yes, at DXLink RX	DX-RX (FG1010-500)
4K60 Fiber Output Board (Duplex)	DGX-O-DXFP-4K60 (FG1061-634)	4 LC Duplex, 4 USB Mini-AB	Yes (2.2)	300 m / 984 ft	Yes	Yes, at DXLink Fiber RX	DXFP-RX-4K60 (FG1010-565-01)
Multimode Fiber Output Board (Duplex)	DGX-O-DXF-MMD (FG1058-632)	4 LC Duplex	Yes	300 m / 984 ft	Yes	Yes, at DXLink Fiber RX	DXF-RX-MMD (FG1010-562) DXF-RX-MMS (FG1010-563)
Multimode Fiber Output Board (Simplex)	DGX-O-DXF-MMS (FG1058-633)	4 LC Simplex	Yes	300 m / 984 ft	No	Yes, at DXLink Fiber RX	DXF-RX-MMS (FG1010-563) DXF-RX-MMD (FG1010-562)
Single Mode Fiber Output Board (Duplex)	DGX-O-DXF-SMD (FG1058-630)	4 LC Duplex	Yes	10 Km / 32,808 ft / 6.21 miles	Yes	Yes, at DXLink Fiber RX	DXF-RX-SMD (FG1010-560) DXF-RX-SMS (FG1010-561)
Single Mode Fiber Output Board (Simplex)	DGX-O-DXF-SMS (FG1058-631)	4 LC Simplex	Yes	10 Km / 32,808 ft / 6.21 miles	No	Yes, at DXLink Fiber RX	DXF-RX-SMS (FG1010-561) DXF-RX-SMD (FG1010-560)

\*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"

### Important Design Notes:

Connectivity between DXLink Fiber Transmitters and DXLink Fiber Input Boards / DXLink Fiber Output Boards and DXLink Fiber Receivers products require matching fiber cable types, Multimode to Multimode and Single Mode to Single Mode. Duplex / Simplex compatibility is allowed however the functionality of the system will be reduced to the lesser simplex functionality. A variety of boards can be used within a common enclosure.

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