DXM-G3 Series

8x8 & 16x16 4K UHD Modular Matrix Switch

Features

- 20Gbps Per Port Backplane
- Advanced EDID Management
- Advanced HDCP Handling
- Remote diagnostics
- 7" Front Panel Touch Control
- Integrated Web Server Control
- Integrated Ethernet Switch for HDBaseT Cards
- PoH for HDBaseT Ports
- Units configurable 4-channels per card
- Break-away Audio Switching
- HDMI Input / Output Cards (Output Cards w/Audio De-embedding & Auto DVI Detect)
- HDBaseT CAT Input / Output Cards (Powers remote Tx/Rx units & passes RS-232, IR and Ethernet)
- Control Expansion ports
- LAN & RS-232 Control

The 3rd Generation Digital Xtreme Series is a 4K UHD modular matrix switch, card based chassis/frame, with a full complement of multimedia input and output cards. I/O cards have 4 channels of Inputs or Outputs and are available with HDMI®, HDBaseT, and SDI interfaces. The DXM-G3 series accommodates every need, providing crystal clear digital clarity at its best and is designed for 'ease of service' with front-chassis access to the power supply and other system boards. Input and Output cards can be 'hot swapped', allowing full serviceability while powered.

Control of the DXM-G3 and connected devices is available through an integrated 7" touch screen, web server, RS-232, and LAN. The system also provides advanced EDID, HDCP, and data handling capabilities.

To stand out from the competition, the DXM-G3 series has audio break-away switching, audio de-embedding on all input and output channels, integrated PoH/Ethernet switch for HDBaseT, and works with any web browser based device. The DXM-G3 is truly the most advanced modular matrix switch on the market today.

Technical Specifications

Model Name	DXM Series Card Chassis
Technical	
HDBT1 Distance (DXCI-4-HDBT1-G3) (DXCO-4-HDBT1-G3)	230ft 70m – 1080p 60Hz 36bit CAT 6a/7 230ft 70m – 1080p 60Hz 24bit CAT 5e/6/6a/7 197ft 60m – 1080p 36bit CAT 5e/6 131ft 40m – 1080p 60Hz 48bit CAT 6a/7 131ft 40m – 4k2k 30Hz CAT 6a/7 115ft 35m – 1080p 60Hz 48bit CAT 5e/6 115ft 35m – 4k2k 30Hz CAT 5e/6 CAT 5e/6 will achieve 197ft 60m for pixel clock <=225MHz CAT 5e/6 will achieve 115ft 35m for pixel clock >225MHz CAT 6a/7 will achieve 230ft 70m for pixel clock <=225MHz CAT 6a/7 will achieve 131ft 40m for pixel clock >225MHz
HDBT2 Distance (DXCI-4-HDBT2-G3) (DXCO-4-HDBT2-G3)	328ft 100m – 1080p 60Hz 24 & 36bit CAT 5e/6/6a/7 328ft 100m – 1080p 60Hz 48bit CAT 6a/7 328ft 100m – 4k2k 30Hz CAT 6a/7 230ft 70m – 1080p 60Hz 48bit CAT 5e/6/6a/7 230ft 70m – 4k2k 30Hz CAT 5e/6/6a/7 500ft 152m - 1080p 60Hz 24bit (Long Reach Mode) CAT 6 600ft 183m - 1080p 60Hz 24bit (Long Reach Mode) CAT 6A CAT 5e/6 will achieve 328ft 100m for pixel clock <=225MHz CAT 5e/6 will achieve 230ft 70m for pixel clock >225MHz CAT 6a/7 will achieve 328ft 100m for pixel clock >225MHz
RS-232 Baud Rate	Max 115kbps
LAN Speed	1 - 10/100
LAN Connectors	8P8C RJ-45
RS-232 Connector	DB-9 Female
Power Connector	IEC
Mechanical	
Housing	Black Aluminum enclosure
Dimensions	-88: 4RU 17.24" x 16.69" x 7.00" (438 x 424 x 177mm) -1616: 6RU 17.24" x 16.69" x 10.50" (438 x 424 x 266mm)
Weight (Empty Chassis)	DXM-88: 22.5 lbs (12.85kg) DXM-1616: 36 lbs (17.90kg)
Mounting	19" Rack Mounting
Power supply	-88-G3 85V-265V 50-60Hz 55W (no cards), 280 Watts Max -1616-G3 90V-265V 50-60Hz 60W (no cards), 520 Watts Max
Operation temperature	0~40°C [32~104°F]
Storage temperature	-20~60°C [-4~140°F]
Relative humidity	20~90% RH [no condensation]

DXM-88-G3 Front

DXM-1616-G3 Rear

DXCI-4-HDBT1-G3 HDBaseT Input

DXCO-4-HDBT1-G3 HDBaseT Output

DXCI-4-HDMI-G3 HDMI Input

DXCO-4-HDMI-G3 HDMI Output

Note: Specifications subject to change without notice.