

M1616

HDMI 2.0b (18Gbps) 16 x16 Scaling Matrix

SIMPLIFIED
MFG



The M1616 is a 4K2K (18Gbps) 16x16 matrix switch. This switch has 16 HDMI Inputs, 16 HDMI Outputs & 16 S/PDIF Coax outputs. It is a true matrix and can be controlled via RS232, IP, manually, or via the Web GUI. Each output has scaling capability making this matrix easier to install with unlike displays. Other features include very fast switch times, CEC Control, ARC, & routable audio breakouts. Web GUI interface allows for presets, labeling inputs and outputs, and other functions like EDID and scaling control.

Features:

- HDMI 2.0b (18Gbps)
- HDR 8/10/10+ & Dolby Vision™ Support
- All outputs have scaling
- 16 S/PDIF Coax Outputs
- Supports all versions of Multi-Channel Audio with audio breakout and ARC
- Compact 1 RU Design
- Sophisticated Web GUI
- 3-Year Warranty

Specifications:

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz (YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Inputs	16x HDMI Type A [19-pin female]
Outputs	16x HDMI Type A [19-pin female] 16x S/PDIF [Coax]
Control Ports	1xLAN [RJ45] 1xRS232 [DB-9]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	440mm [17.25] (W) x 220mm [8.66] (D) x 45mm [1.8] (H) [1RU]
Weight	2480g [5.5 lbs]
Power Supply	Input: AC100 - 240V 50/60Hz Output 24VDC 3.75A
Power Consumption	48W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)