



The MX2-16x16-HDMI20 is a member of the Lightware HDMI 2.0 standalone matrix switcher family supporting uncompromised 4K UHD resolution at 60Hz 4:4:4.

It has an outstanding port density that makes it particularly suitable for rental and fix install applications, as well as for future-proof operation centers. It is a perfect choice for installations where at most 16 HDMI 2.0 compliant input and output ports are required.

This standalone product has 16 HDMI 2.0 inputs and 16 HDMI 2.0 outputs transmitting up to 4K at 60Hz in 4:4:4 format, while supporting 3D, Dolby TrueHD and DTS-HD Master Audio.

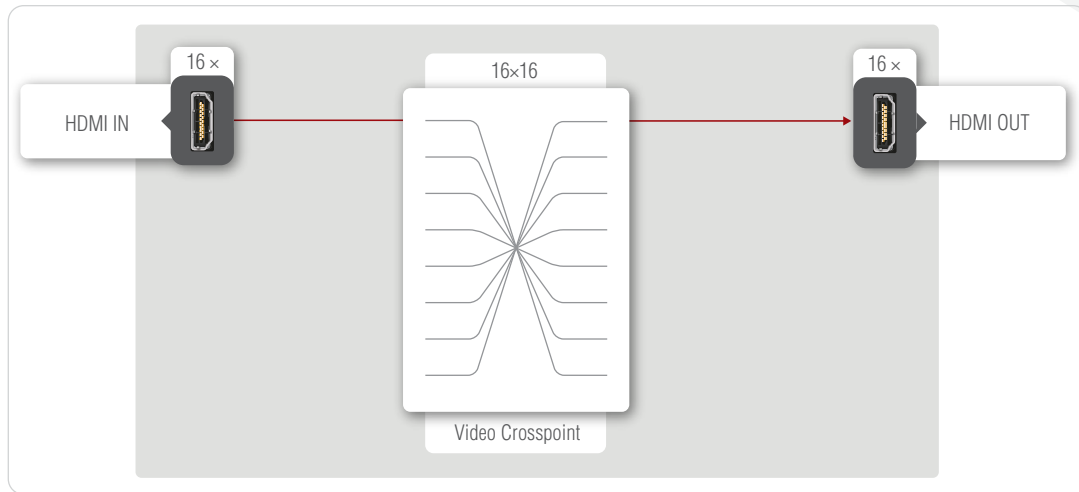
Highlight features

- HDMI 2.0, HDMI 1.x and DVI 1.0 compliant
- Supports conversion from 4K UHD at 60Hz 4:4:4 to 4K UHD at 60 Hz YCbCr 4:2:2
- 4K@60Hz with RGB 4:4:4 color space, 18 Gbps bandwidth
- HDCP 2.2 and HDCP 1.4 compliant with cross conversion capabilities
- Fully non-blocking switching architecture with zero frame delay
- Pixel Accurate Reclocking on each input
- Advanced EDID Management
- Built-in website
- RS-232, Ethernet and USB control options
- LCD, push buttons and rotary switch for front panel control
- Front to back cooling airflow
- HDR10 and Dolby Vision support
- Optional redundant power supply with 1:1 redundancy

Specification

Routing	16 input to 16 output, non-blocking architecture
Speed	18 Gbps per port
Resolution	Up to 4096x2160@60Hz at RGB or YCbCr 4:4:4 (up to 600MHz pixel clock)
Height	3RU
Mounting	Rack mountable, removable rack ears
Connectors	
Power	IEC standard, 110/220V (one for normal build, two for optional redundancy)
Video inputs	16x 19-pole HDMI 2.0
Video outputs	16x 19-pole HDMI 2.0
Serial control	3-pole Phoenix
Ethernet	RJ45
USB	Mini USB B

Port Diagram



Please see the below table for the comparison of the HDMI 2.0 MX2 matrix switcher series:

Product	Inputs			Outputs			Front panel I/O buttons	Front panel LCD menu	Redundant power supply
	HDMI	DP	Audio	HDMI	DP	Audio			
MX2-16x16-HDMI20	16x	×	×	16x	×	×	✓	✓	×
MX2-24x24-HDMI20	24x	×	×	24x	×	×	✓	✓	×
MX2-16x16-HDMI20-Audio	16x	×	4x	16x	×	4xH+4xA	×	✓	×
MX2-24x24-HDMI20-Audio	24x	×	8x	24x	×	8x	×	✓	×
MX2-16x16-HDMI20-R	16x	×	×	16x	×	×	✓	✓	✓ (PowerCON)
MX2-24x24-HDMI20-R	24x	×	×	24x	×	×	✓	✓	✓ (PowerCON)
MX2-16x8-HDMI20-Audio-R	16x	×	4x	8x	×	4xH+4xA	×	✓	✓ (PowerCON)
MX2-16x16-HDMI20-Audio-R	16x	×	4x	16x	×	4xH+4xA	×	✓	✓ (PowerCON)
MX2-24x24-HDMI20-Audio-R	24x	×	8x	24x	×	8x	×	✓	✓ (PowerCON)
MX2-32x32-HDMI20-A-R	32x	×	16xH	32x	×	8xH+8xA	✓	✓	✓ (PowerCON)
MX2-48x48-HDMI20-A-R	48x	×	16xH	48x	×	16xH	✓	✓	✓ (PowerCON)

H: next to HDMI

A: independent audio out