

VM0808HA

8x8 4K HDMI Matrix Switch



The ATEN VM0808HA 8x8 [4K HDMI Matrix](#) Switch supports 4K resolutions of UHD (3840 x 2160) and DCI (4096 x 2160) with refresh rates of 30 Hz (4:4:4) and 60 Hz (4:2:0). Ready for the future of high-definition video switching, the VM0808HA is ideal for applications where the routing of 4K digital signals is required, such as in classrooms, auditoriums, department stores and more.

The VM0808HA matrix switch offers an easy and affordable way to route any of 8 HDMI video sources to any of 8 HDMI displays and can be operated through front-panel pushbuttons, IR remote, RS-232 control and Ethernet connections, ensuring optimum viewing and control of high-definition video. Moreover, with a built-in Web GUI, the VM0808HA is easily accessible via any web browser for remote configuration and customization of each HDMI source and display connection.



Features

- Connects any of 8 HDMI sources to any of 8 HDMI displays
- [Supports 4K resolutions up to UHD \(3840 x 2160\) and DCI \(4096 x 2160\) with refresh rates of 30 Hz \(4:4:4\) and 60 Hz \(4:2:0\)](#)
- [EDID Expert™](#) – [selects optimum EDID settings for smooth power-up, high-quality display and use of the best video resolution across different screens](#)
- Multiple Control Methods – system management via front-panel pushbuttons, IR remote, RS-232 control, and Ethernet connections (Web GUI)
- View and control via ATEN [Video Matrix](#) Control App in a swift and agile way
- Supports Dolby True HD and DTS HD Master audio
- Signaling rates up to 3.4 Gbits for flawless 4K output
- HDMI (3D, Deep Color, 4K) and HDCP 2.2 compatible
- Consumer Electronics Control (CEC) allows interconnected HDMI devices to communicate and respond to a single remote control
- Supports ATEN's LockPro™ HDMI cable lock for secure HDMI cable connections
- ESD protection for HDMI
- Firmware upgradeable
- Rack Mountable (1U design)

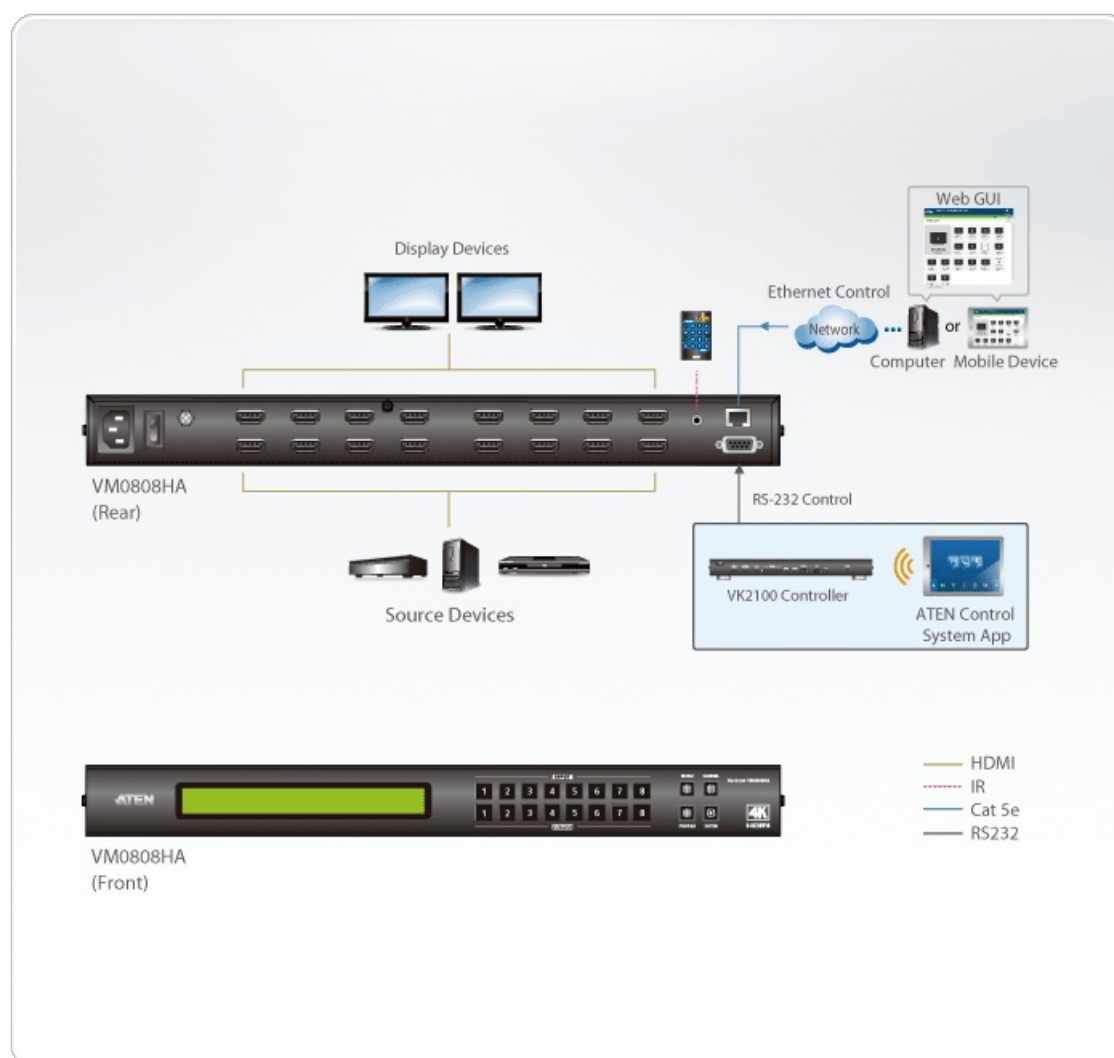
Specifications

Video Input	
Interfaces	8 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5 m

Video Output	
Interfaces	8 x HDMI Type A Female (Black)
Max. Distance	15 m
Impedance	100 Ω
Video	
Max. Pixel Clock	340 MHz
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Compliance	HDMI (3D, 4K, Deep Color) HDCP 2.2 Compatible Consumer Electronics Control (CEC)
Max. Distance	Up to 15 m
Control	
RS-232	Connector: 1 x DB-9 Female (Black) Baud rate and protocol: Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No
IR	1 x Mini Stereo Jack Female (Black)
Ethernet	1 x RJ-45 Female
EDID Settings	EDID Mode: Default / Port 1 / Remix / Customized (EDID Wizard Support)
Environmental	
Operating Temperature	0-40°C
Humidity	0 - 80% RH, Non-Condensing
Storage Temperature	-20 - 60°C
Physical Properties	
Weight	3.86 kg (8.5 lb)
Housing	Metal
Dimensions (L x W x H)	43.24 x 26.23 x 4.40 cm (17.02 x 10.33 x 1.73 in.)
Connectors	
Power	1 x 3-Prong AC Socket
Carton Lot	1 pc

Power Consumption	AC110V:24W:113BTU/h AC220V:24.4W:114BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Power	
Maximum Input Power Rating	100-240 VAC; 50-60 Hz; 1.0A
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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