4x4 4K HDMI Matrix Switch
VM0404HA

● The ATEN VM0404HA 4x4 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 VM0404HA is ideal for applications where the routing of 4K digital signals is required, such as in classrooms, auditoriums, department stores and more.

The VM0404HA matrix switch offers an easy and affordable way to route any of 4 HDMI video sources to any of 4 HDMI displays and can be operated through front-panel pushbuttons, IR remote and RS-232 control, ensuring optimum viewing and control of high-definition video.

Front view

Rear view

Display Devices x 4

IR Control

HDMI
IR
RS-232

VM0404HA
(Rear)

RS-232 Control

VK2100 Control Box

ATEN Control
System App

Source Devices x 4

Features

- Connects any of 4 HDMI sources to any of 4 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 and RS-232 control
- 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 1.4 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

Function	VM0404HA
Video Input	
Interface	4 x HDMI Type A Female (Black)
Impedance	100 Ω
Max Distance	1.8 m
Video Output	
Interface	4 x HDMI Type A Female (Black)
Impedance	100 Ω
Max Distance	15 m
Video	
Max Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Max Pixel Clock	340 MHz
Compliance	HDMI (3D, 4K, Deep Color) HDCP 1.4 Compatible Consumer Electronics Control (CEC)
Max Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4)
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
USB	1 x Micro USB, F/W Upgrade
IR	1 x Mini Stereo Jack Female (Black)
EDID Settings	EDID Mode: Default / Port1 / Remix
Power	
Connectors	1 x DC Jack (Black)
Consumption	5 VDC, 10.58 W
Environmental	
Operating Temperature	0° to 40° C
Storage Temperature	-20° to 60° C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	2.02 kg
Dimensions (L x W x H)	43.72 x 16.29 x 4.40 cm