

VM0404H

4 x 4 HDMI Matrix Switch



The VM0404H is a 4x4 [HDMI Matrix](#) Switch that provides a convenient way to route high definition video and audio from any of four HDMI sources to any of four HDMI displays. The VM0404H allows you to connect four HDMI devices (such as an HD camcorder or satellite box, HD-DVD player, hi-def Blu-ray player, home theater PC, stand-alone streaming media player, or gaming console) to four HDMI monitors, displays, projectors or TVs at the same time.

The remote control and convenient front panel pushbuttons allow you to quickly and easily cycle through HDMI sources and displays, while the front panel LEDs indicate the source device for each display at a glance.



Features

- Connects any of four HDMI sources to any of four HDMI displays
- Toggle between HDMI sources and displays using remote control or front panel pushbuttons
- Superior video quality – [HDTV](#) resolutions of 480p, 720p, 1080i, 1080p (1920x1080); VGA, SVGA, SXGA, UXGA (1600x1200), and WUXGA (1920 x 1200)
- Consumer Electronics Control (CEC) allows interconnected HDMI devices to communicate and respond to one remote control
- HDMI (3D, Deep Color)
- Features EDID expert technology to set up different video configurations via different EDID modes
- Supports Dolby True HD and DTS HD Master Audio
- Up to 60 Hz refresh rate
- Built-in bi-directional RS-232 serial remote port for high-end system control *
- Power On Detection – if one HDMI source is powered off, the VM0404H will automatically switch to the next powered-on source
- DDC compatible
- Signaling rates up to 2.25 Gbits in support of 1080p display
- All-metal casing
- Easy and affordable way to add four HDMI inputs to your multiscreen home theater system
- Rack Mountable

* Note: The VM0404H AP and GUI operation instructions can be downloaded from the ATEN website (www.aten.com)

Specifications

Video Input	
Interfaces	4 x HDMI Type A Female (Black)
Impedance	100 Ω

Max. Distance	1.8 m
Video Output	
Interfaces	4 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	15 m
Video	
Max. Data Rate	6.75 Gbps (2.25 Gbps Per Lane)
Max. Pixel Clock	225 MHz
Compliance	HDMI (3D, Deep Color) HDCP 1.4 Compatible Consumer Electronics Control (CEC)
Max. Resolution	Up to 1080p
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
EDID Settings	EDID Mode: Default / Port1 / Remix
Connectors	
Power	1 x DC Jack (Black)
Power Consumption	5.3 VDC, 9W Note: <ul style="list-style-type: none"> ● 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.
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	1.86 kg (4.1 lb)
Dimensions (L x W x H)	43.70 x 15.96 x 4.40 cm (17.2 x 6.28 x 1.73 in.)
Carton Lot	3 pcs

Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.
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Diagram



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