

VM7814

4-Port 4K HDMI Input Board



The VM7814 is a 4K HDMI input board that works with an ATEN [Modular Matrix Switch](#) to offer an easy way to route 4 HDMI sources to 4 displays. In addition to the HDMI interface that carries digital A/V signals, the VM7814 is equipped with 4 stereo audio input ports that allow stereo audio embedding.

The ATEN VM input/output boards support hot-swappable installation that gives system integrators great flexibility and efficiency for maintenance. The ATEN VM input/output boards along with ATEN [Modular Matrix Switches](#) offer ideal solutions that perfectly meet your demands for video-critical applications.



Features

- 4-port 4K HDMI Input Board that is compatible with the [VM1600/VM3200](#) and can be mixed with modular I/O boards of any type for optimum flexibility
- Superior video quality – [HDTV](#) resolutions of 480p, 720p, 1080i and 1080p (1920 x 1080); 4K2K@60 (4:2:0)
- Audio-enabled, stereo audio can be embedded
- EDID Expert – selects optimum EDID settings for smooth power-up and the highest quality display
- HDMI (3D, Deep Color); HDCP 2.2 Compatible
- Cable Quality Tester – examines the HDMI cable quality
- Consumer Electronics Control (CEC) support

Specifications

Video Input	
Interfaces	4 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	Up to 5m
Video	
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI (3D, Deep Color, 4K) HDCP 2.2 Compatible Consumer Electronics Control (CEC)
Max. Resolution	4096x2160/3840x2160@60Hz (4:2:0); 4096x2160/3840x2160@30Hz (4:4:4)
Audio	
Input	4 x Captive Screw Connector, 5 Pole (Green) *Audio signal type: stereo, balanced/unbalanced.
Power Consumption	4.45W:21BTU/h 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 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.56 kg (1.23 lb)
Dimensions (L x W x H)	35.20 x 23.80 x 2.33 cm (13.86 x 9.37 x 0.92 in.)
Carton Lot	2 pcs
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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