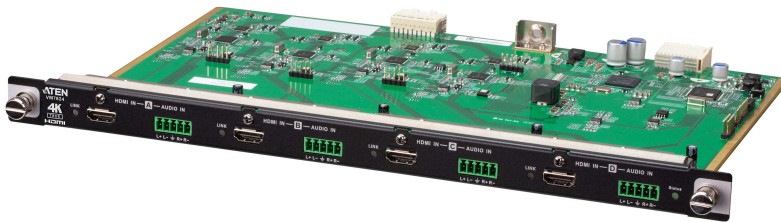


VM7824

4-Port True 4K HDMI Input Board



The VM7824 is a True 4K HDMI input board that works with an ATEN Modular Matrix Switch to offer an easy way to route 4 HDMI audio/video sources to 4 displays with True 4K high-definition images support. In addition to the HDMI interface that carries digital A/V signal, the VM7824 also provides 4 stereo audio input ports that enable stereo audio embedding.

All of ATEN's VM series input/output boards support hot-swappable installation that gives system integrators great flexibility and efficiency for maintenance. The VM series input/output boards along with ATEN Modular Matrix Switches offer ideal solutions that perfectly meet your demands for multi-interface video applications.



Features

- Compatible with the VM Modular Matrix Switches; mix and match with modular I/O boards of any type for optimum flexibility
- True 4K Resolutions – handles uncompressed video resolutions up to 3840 x 2160 / 4096 x 2160 @ 60Hz (4:4:4)*
- True 4K EDID Expert – selects optimum EDID settings for smooth power-up, high-quality display, and use of the best resolution across different screens
- Audio-enabled, HDMI audio can be extracted and stereo audio can be embedded
- Cable Quality Tester – examines the HDMI cable quality
- HDMI (3D, Deep Color, 4K); HDCP 2.2 Compatible
- Consumer Electronics Control (CEC) support

*Note: True 4K resolutions are only supported when the VM7824 and [VM8824](#) are used with the [VM3250](#).

Specification

| | |
|------------------------|--|
| Video Input | |
| Interfaces | 4 x HDMI Type A Female (Black) |
| Impedance | 100 Ω |
| Max. Distance | Up to 5.0m |
| Video | |
| Max. Data Rate | 18.0 Gbps (6.0 Gbps Per Lane) |
| Max. Pixel Clock | 600 MHz |
| Compliance | HDMI (3D, Deep Color, 4K) HDCP 2.2 Compatible Consumer Electronics Control (CEC) |
| Max. Resolution | 4096x2160/3840x2160@60Hz (4:4:4) |
| Audio | |
| Input | 4 x Captive Screw Connector, 5 Pole (Green) *Audio signal type: stereo, balanced/unbalanced. |
| Power Consumption | 11.33W:53BTU/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 | 0.55 kg (1.21 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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