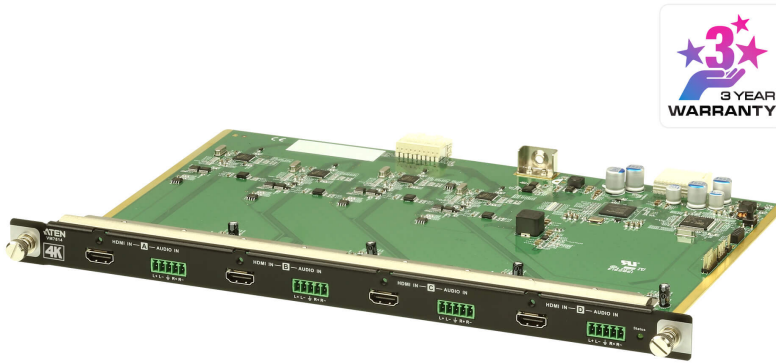


## VM7814

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 $\Omega$                                                                                                                    |
| 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)<br>HDCP 2.2 Compatible<br>Consumer Electronics Control (CEC)                                          |
| Max. Resolution        | 4096x2160/3840x2160@60Hz (4:2:0);<br>4096x2160/3840x2160@30Hz (4:4:4)                                                           |
| Audio                  |                                                                                                                                 |
| Input                  | 4 x Captive Screw Connector, 5 Pole (Green)<br>*Audio signal type: stereo, balanced/unbalanced.                                 |
| Power Consumption      | 4.45W:21BTU                                                                                                                     |
| 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<br>(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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