

# 4-Port 4K DisplayPort Input Board

## VM7904

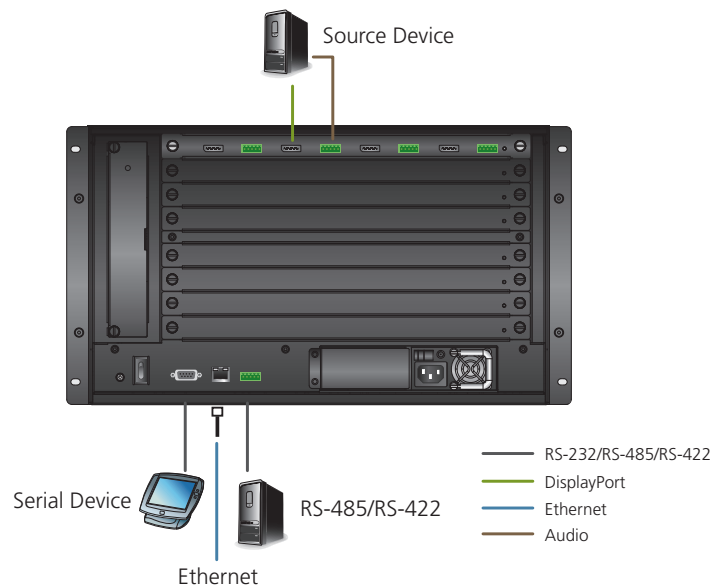
- The VM7904 is a 4K DisplayPort Input Board that works with an ATEN Modular Matrix Switch to offer an easy way that routes 4 DisplayPort video and audio sources to up to 16 or 32 displays. In addition to the DisplayPort interface that carries digital A/V signal, the VM7904 also provides 4 stereo audio input ports that allow stereo audio to be routed independently or embedded for HDMI output.

Ideal for high-resolution video wall applications, the VM7904 effectively routes DisplayPort sources with 4K resolution up to 4096x2160@30Hz (4:4:4) and EDID Expert technology for the optimum resolutions across different displays. 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 Switch offer flexible solutions that perfectly meet your demands for video-critical applications.



## Features

- Compatible with the VM1600 / VM3200; mix and match with modular I/O boards of any type for optimum flexibility
- Connects up to 4 DisplayPort inputs to up to 16 (VM1600) or 32 (VM3200) displays
- Superior video quality – up to 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4)
- Audio-enabled - stereo audio can be routed independently or embedded for HDMI output
- EDID Expert** – selects optimum EDID settings for smooth power-up, high-quality display, and use of the best resolutions across different screens
- Support DP1.1 with data rate up to 10.8 Gbps (2.7 Gbps per lane)
- HDCP 2.2 Compliant
- Hot-swappable design for easy integration and maintenance



## Specifications

Function	VM7904
<b>Video Input</b>	
Interfaces	4 x DisplayPort Female (Black)
Impedance	100 Ω
Max. Distance	Up to 3m
<b>Video</b>	
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Max. Pixel Clock	340 MHz
Compliance	DisplayPort (Deep Color, 4K); HDCP Compatible
Max. Resolution	4096x2160@30Hz(4:4:4); 3840x2160@30Hz(4:4:4)
<b>Audio</b>	
Input	4 x Captive Screw Connector, 5 Pole (Green) *Audio signal type: stereo, balanced/ unbalanced.
<b>Power Consumption</b>	7.18W
<b>Environmental</b>	
Operating Temperature	0° - 40° C
Storage Temperature	-20° - 60° C
Humidity	0 - 80% RH, Non-Condensing
<b>Physical Properties</b>	
Housing	Metal
Weight	0.55 kg
Dimensions (L x W x H)	35.20 x 23.80 x 2.33 cm

Product information is subject to change without prior notice.

### ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com

Publish Date: 09/2018 V1.0



© Copyright 2018 ATEN® International Co., Ltd.  
 ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.  
 All rights reserved. All other trademarks are the property of their respective owners.