

VM7904

4-Port 4K DisplayPort Input Board – TAA



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 digital 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.



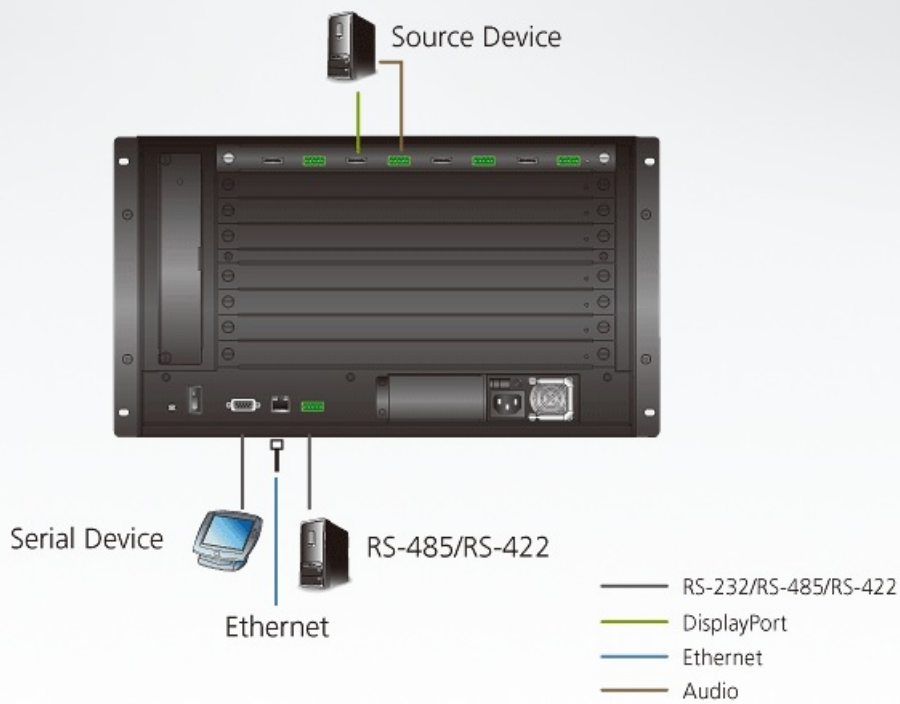
Features

- Compatible with the [VM1600A](#) / [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 ([VM1600A](#)) or 32 ([VM3200](#)) displays
- Superior video quality – up to 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4)
- Audio-enabled - DisplayPort audio can be extracted and stereo audio can be embedded
- [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

Specification

| | |
|------------------------|---|
| Video Input | |
| Interfaces | 4 x DisplayPort Female (Black) |
| Impedance | 100 Ω |
| Max. Distance | Up to 3m |
| Video | |
| Max. Data Rate | 10.8 Gbps (2.7 Gbps Per Lane) |
| Max. Pixel Clock | 340 MHz |
| Compliance | HDCP Compatible |
| Max. Resolution | 4096x2160@30Hz(4:4:4) 3840x2160@30Hz(4:4:4) |
| Audio | |
| Input | 4 x Captive Screw Connector, 5 Pole (Green) *Audio signal type: stereo, balanced/unbalanced. |
| Power Consumption | 7.18W:34BTU/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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