Simply Better Connections

VM8514

4-Port HDBaseT Output Board

The VM8514 4-Port HDBaseT Output Board offers an easy way route 4 HDBaseT transmitters to 4 HDBaseT receivers, and in combination with the ATEN Modular Matrix Switches to provide the ability of routing up to 32 input and 32 output HDBaseT connections.

When the VM8514 HDBaseT Output Board is used in conjunction with the VE805R HDBaseT receiver it features Seamless Switch™ technology and video wall functionality. ATEN's Seamless Switch™ technology provides video switching in real-time with a built in scaler that handles different video resolutions across different displays and video wall features that allow you to configure up 32 profiles for custom layouts via the point-n-click web GUI.

* Compatible Receivers

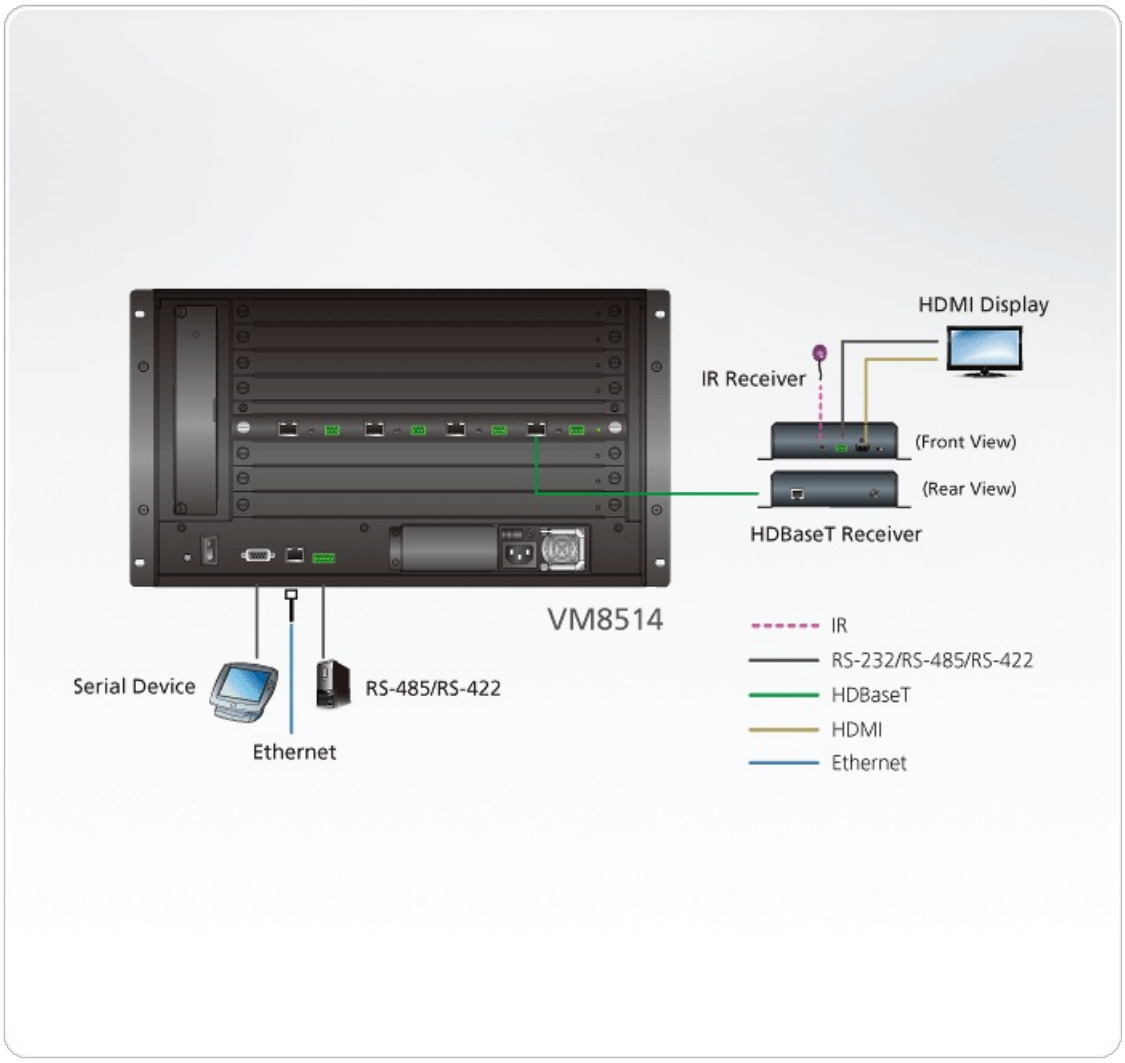
Features

- 4-port HDBaseT Output Board that is compatible with the VM1600A/VM3200 and can be mixed with modular I/O boards of any type for optimum flexibility
- Bi-directional RS-232 channel – allows you to connect to serial terminals or serial devices, such as touch screens and barcode scanners
- HDBaseT Connectivity – extends 4 HDBaseT connections up to 100 meters via single Cat 5e/6 cable
- HDBaseT Anti-jamming – resists signal interference during video transmission using HDBaseT technology
- Connected to VE805R/VE816R:
  • Seamless Switch™ – features close-to-zero-second switching, continuous video streams, real-time switching and stable signal transmissions
  • Video Wall – features configurable video wall profiles for custom layouts via point-n-click web GUI
- Bi-directional IR channel – IR transmission is processed one direction at a time
- Hot-swappable design for easy integration of I/O boards

Specifications

Video Output	
Interfaces	4 x RJ-45 Female (Silver)
Impedance	100 Ω
Video	
Max. Data Rate	10.2 Gbps (3.4 Gbps per lane)
Max. Pixel Clock	340 MHz
Compliance	HDBaseT, HDCP 1.4 compatible Consumer Electronics Control (CEC)
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Max. Distance	100 m (Cat 6a)
Control	
RS-232	4 x Captive Screw Connectors, 3 pole
IR	4 x Mini Stereo Jack Female (Black)
Power Consumption	12.2W:57BTU/h Note: ● 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	0.97 kg (2.14 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.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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

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