

4-Port HDBaseT Input/Output Board VM7514 / VM8514

- The VM7514 4-Port HDBaseT Input Board and VM8514 4-Port HDBaseT Output Board offers an easy way route 4 HDBaseT transmitters connected to HDMI sources to 4 HDBaseT receivers connected to HDMI displays, and in combination with the ATEN Modular Matrix Switch provides the ability route up to 16/32 input and 16/32 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 32/64 profiles for custom layouts via the point-n-click web GUI.



VM7514 HDBaseT Input Board

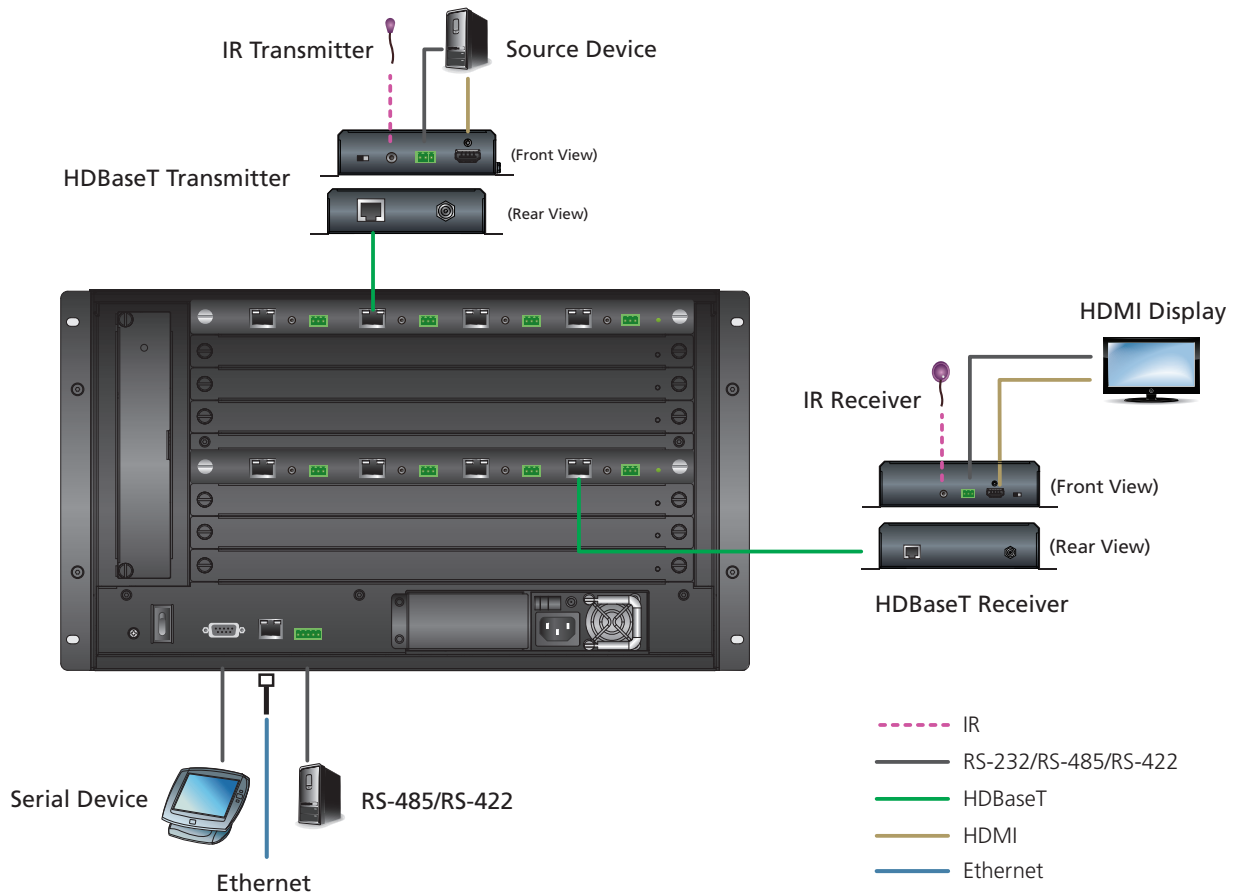


VM8514 HDBaseT Output Board



Features

- 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



VM7514 Compatible Table

Compatible Transmitter	Max. Distance	IR Channel	RS-232 Channel	4K	Long Reach Mode (1080p@150m)
VE2812T	100m ^a	• ^e	•	•	•
VE1812T	100m ^a	• ^e	•	•	•
VE801T	70m ^b	N/A	N/A	•	N/A
VE802T	70m ^b	• ^e	•	•	N/A
VE811T	100m ^a	N/A	N/A	•	•
VE812T	100m ^a	N/A	N/A	•	•
VE814AT	100m ^a	• ^e	•	•	•
VE601T (DVI)	70m ^b	N/A	N/A	N/A	N/A
VE901T (DisplayPort)	70m ^c	N/A	N/A	•	N/A

VM8514 Compatible Table

Compatible Receiver	Max. Distance	IR Channel	RS-232 Channel	4K	Scaler / Seamless Switch™	Video Wall	FrameSync	Long Reach Mode (1080p@150m)
VE1812R	100m ^a	• ^e	•	• ^f	N/A	N/A	N/A	•
VE801R	70m ^b	N/A	N/A	• ^f	N/A	N/A	N/A	N/A
VE802R	70m ^b	• ^e	•	• ^f	N/A	N/A	N/A	N/A
VE811R	100m ^a	N/A	N/A	• ^f	N/A	N/A	N/A	•
VE805R (with Scaler)	70m ^d	• ^e	•	N/A	•	•	N/A	N/A
VE812R	100m ^a	N/A	N/A	• ^f	N/A	N/A	N/A	•
VE814AR	100m ^a	• ^e	•	• ^f	N/A	N/A	N/A	•
VE816R (with Scaler)	100m ^a	• ^e	•	•	•	•	•	•
VE601R (DVI)	70m ^c	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VE901R (DisplayPort)	70m ^b	N/A	N/A	• ^f	N/A	N/A	N/A	N/A

Note:

a. Up to 4K@70m (Cat 5e/6) / 100m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@100m (Cat 5e/6/6a)

b. Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6)

c. Up to 1920x1200@35m (Cat 5e/6) / 40m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6)

d. Up to 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat6)

e. Supports full frequency IR signals from 30 KHz to 60KHz; however the IR receiver cable included with the package only supports 30KHz to 56 KHz.

f. 4K resolutions are only available when the scaler is disabled. When the scaler function is implemented, the highest resolution available is 1080p. The scaler function is enabled by default.

Specifications

Function	VM7514	VM8514
Video Input/Output		
Interface	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)	HDBaseT, HDCP 2.2 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	24.5 W	12.2 W
Environmental		
Operating Temperature	0 - 40°C	
Storage Temperature	-20 - 60°C	
Humidity	0 - 80% RH, Non-Condensing	
Physical Properties		
Housing	Metal	
Weight	0.64 kg	0.97 kg
Dimensions (L x W x H)	35.20 x 23.80 x 2.33 cm	35.20 x 23.80 x 2.33 cm

