VM7514 / VM8514

4-Port HDBaseT Input/Output Board

- 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 input and 16 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.

HDBT™

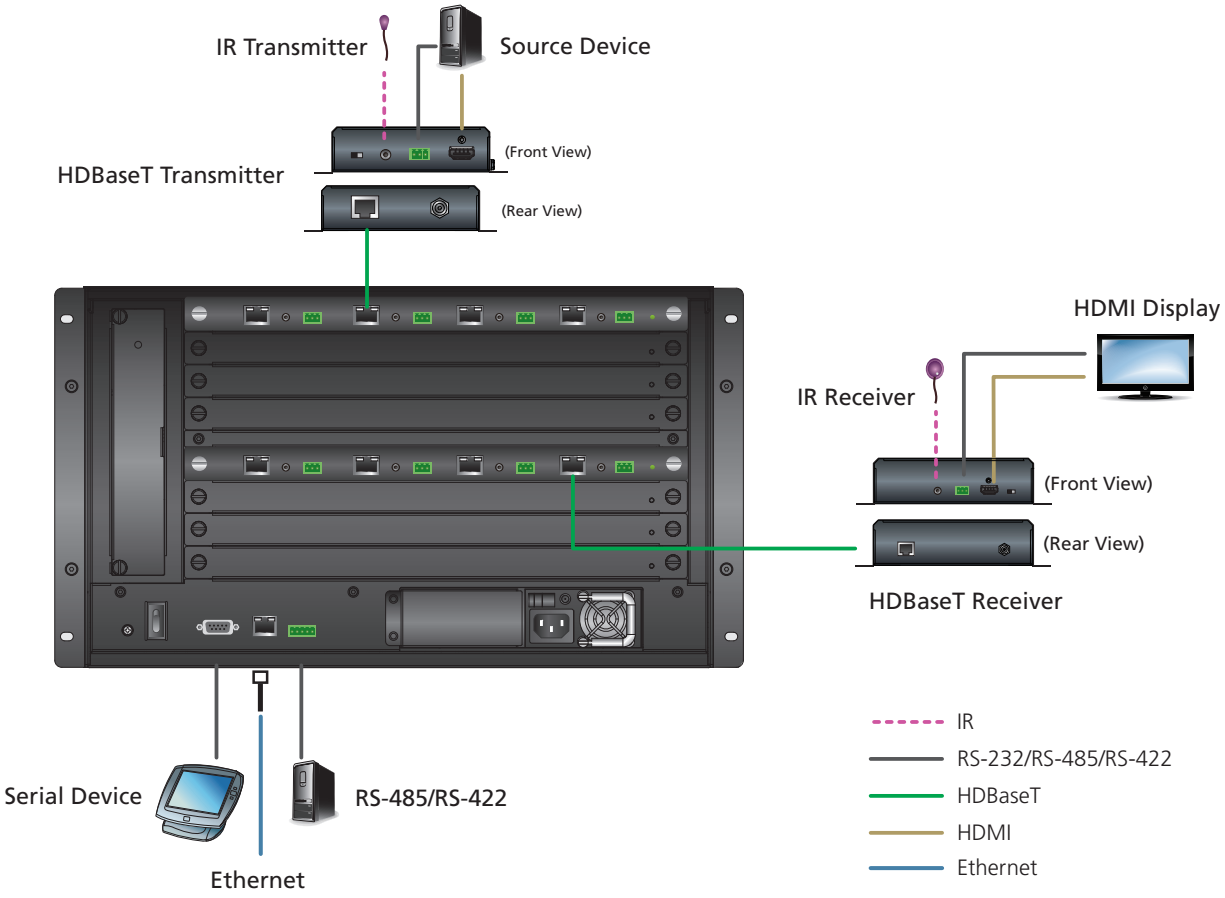
A/V In HDBaseT (VM7514) | A/V Out HDBaseT (VM8514) | UHD 4k | IR Channel | RS-232 Channel

VM7514 HDBaseT Input Board

VM8514 HDBaseT Output Board

Features

- Compatible with the VM1600 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:
  - 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



Compatible Transmitter and Receivers

I/O Boards	Transmitters and Receivers	Distance Transmissions	RS-232	IR*	Video Wall	4K***
VM7514	VE801T	60 m				○
	VE802T	60 m	○	○		○
	VE812T	100 m				○
	VS1814T/VS1818T	100 m				○
VM8514	VE801R	60 m				○
	VE802R	60 m	○	○		○
	VE805R	60 m	○	○	○**	
	VE812R	100 m				○

Note: * 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.

** When the VM8514 is used in combination with the VE805R the setup will support the Seamless Switch™ and Scaler functions.

***4K resolutions are only available when the sclaer 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)	
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	0.99 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

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Printed 08/2017 V4.0

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