# VS1814T

4-Port HDMI HDBaseT Splitter
(HDBaseT Class A) - TAA Compliant

The ATEN VS1814T 4-Port HDMI HDBaseT Splitter provides a fast and efficient way of switching digital high definition video from one input source to 4 displays located up to 100m away. It implements HDBaseT extension technology to connect the VS1814T to receiver units over one single Cat 6/6a cable in order to transmit rich HDMI multimedia content in real time.

It supports up to 4k2k resolution, and features an EDID selection method to ensure constant and reliable EDID data relay for the HDMI source device to efficiently optimize video resolution.

The VS1814T solution is ideal for any installation that requires HDMI content to be delivered to multiple destinations,such as:
•In-store or tradeshow digital signage
•Information broadcasts at public locations (i.e., news, stations,airline and train schedule and arrival/departure details)
•Sporting events
•Theater and lecture overview rooms
•Classroom and company training facilities

## Features

- One HDMI input to 4 HDMI outputs via a Cat 6/6a cable
- Offers local HDMI output
- Extends displays up to 330 ft. (100 m)
- Implements HDBaseT extension technology using only one Cat 5 cable to connect the transmitter and receiver
- Anti-jamming - resists signal interference during high-quality video transmissions using HDBaseT technology
- HDMI (3D, Deep color, 4kx2k); HDCP 1.4 Compatible
- Supports Dolby True HD and DTS HD Master Audio
- Consumer Electronics Control (CEC) support
- Built-in bi-directional RS-232 serial remote port for high-end system control
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- Supports up to 340MHz bandwidth for high performance video
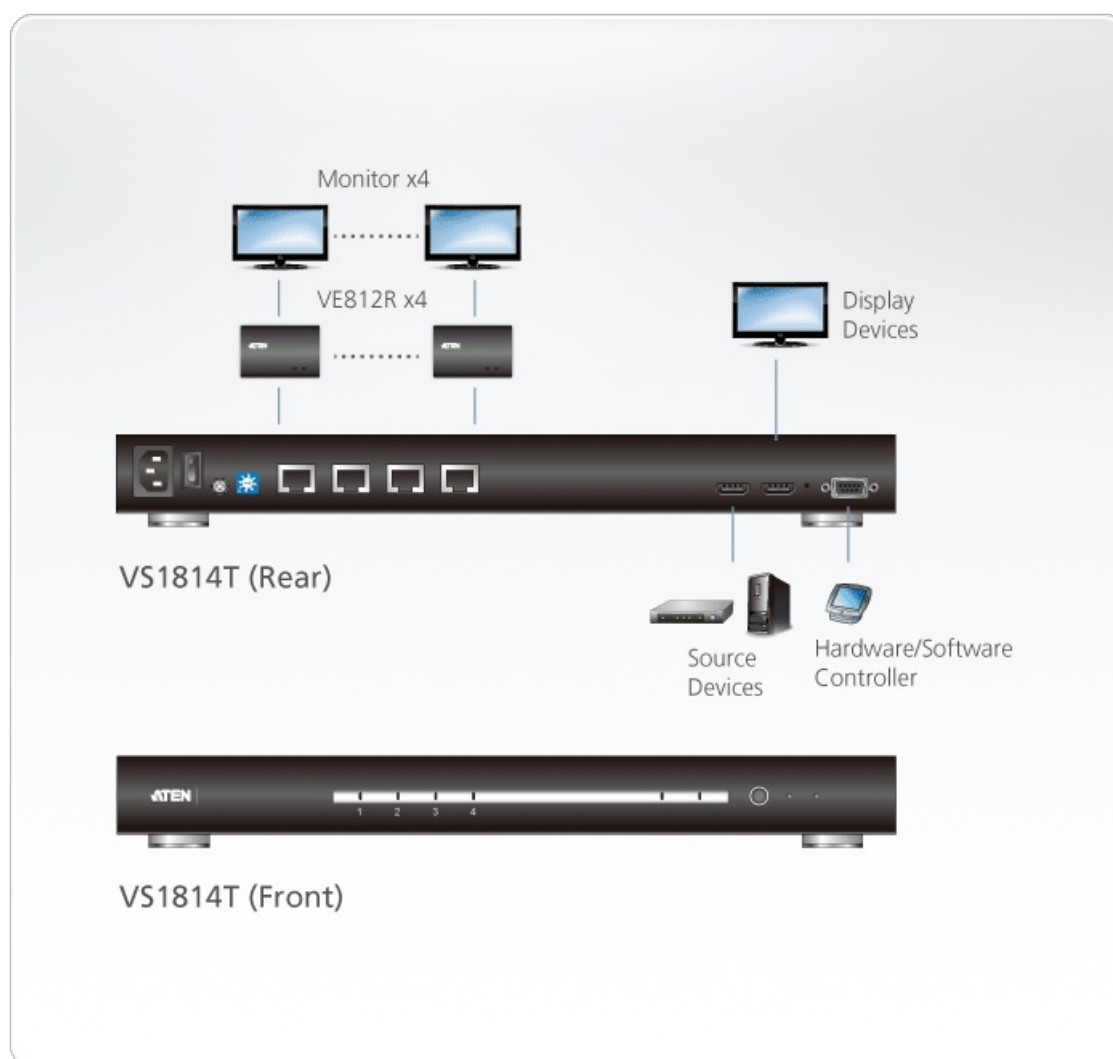- EDID mode selection
- Rack-mountable

  * Note: The VS1814T is compatible with the VE812R HDMIover Single Cat 5 Receiver.

## Specification

| Video Input | |
| --- | --- |
| Interfaces | 1 x HDMI Type A Female (Black) |
| Impedance | 100 Ω |
| Max. Distance | 1.8 m |
| Video Output | |
| Interfaces | 1 x HDMI Type A Female (Black) - Local Output<br>4 x RJ-45 Female |
| Impedance | 100 Ω |
| Video | |
| Max. Data Rate | 10.2 Gbps (3.4 Gbps Per Lane) |
| Max. Pixel Clock | 340 MHz |
| Compliance | HDMI (3D, Deep Color, 4K)<br>HDCP Compatible<br>Consumer Electronics Control (CEC)<br>HDBaseT Compatible |
| Max. Resolution | Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0);<br>4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)<br>(Depends on connected receiver) |
| Max. Distance | Up to 100 m (Depends on connected receiver) |
| Audio | |
| Input | 1 x HDMI Type A Female (Black) |
| Output | 1 x HDMI Type A Female (Black) |
| Control | |
| RS-232 | Connector: 1 x DB-9 Female (Black)<br>Serial Control Pin Configurations: Pin2 = Tx, Pin 3=Rx, Pin 5= Gnd<br>Baud Rate and Protocol:<br>Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No |
| EDID Settings | EDID Mode: Default / Port 1 / Auto / Learn |
| Connectors | |
| Power | 1 x 3-Prong AC Socket (Black) |
| Power Consumption | AC110V:18.2W:85BTU<br>AC220V:18.2W:85BTU |
| Environmental | |
| Operating Temperature | 0-50°C |
| Storage Temperature | -20 - 60°C |
| Humidity | 0 - 80% RH, Non-Condensing |

| Physical Properties | |
|---|---|
| Housing | Metal |
| Weight | 3.47 kg ( 7.64 lb ) |
| Dimensions (L x W x H) | 43.24 x 26.11 x 4.40 cm (17.02 x 10.28 x 1.73 in.) |
| Carton Lot | 1 pcs |
| Note | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |

**Diagram**