

# VE1801UST

HDMI HDBaseT-Lite Transmitter with US Wall Plate (4K@40m) (HDBaseT Class B)



ATEN VE1801UST is a transmitter designed to reliably send 4K signals up to 40 m over a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable. With US Wall Plate design, the VE1801UST can be conveniently mounted in a one-gang junction box. For HDMI signal transmission, it supports 3D, Deep Color, and embedded HD lossless audio formats.

The compact wall plate design does away with bulky cables, allowing a neat and convenient installation. Therefore, VE1801UST is specifically designed for use in meeting rooms, digital educational environment or wherever needed to meet application requirements.



### Features

- Extends HDMI signals with superior video quality over a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable
  - 4K up to 40 m
  - 1080p up to 70 m
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 compliant
- Designed to mount in a one-gang junction box
- Supports RS-232 channel transmission
- Consumer Electronic Control (CEC) allows interconnected HDMI devices to communicate and respond to a single remote control
- HDBaseT Anti-jamming – resists signal interference during high-quality video transmission using HDBaseT technology
- LED indication of device status
- Supports widescreen format
- Built- in 8KV / 15 KV ESD protection
- Plug-and-play

### Specifications

Video Input	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100Ω
Max. Distance	3 m
Video	

Max. Data Rate	10.2Gbps (3.4Gbps per lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI (3D, Deep Color, 4K) HDCP Compatible Consumer Electronics Control (CEC)
Max. Resolutions / Distance	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) *4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Audio	
Input	1 x HDMI Type A Female (Black)
Control	
RS-232 Channel	1 x Terminal Block, (3 pole, Green)
Connectors	
Unit To Unit	1 x RJ-45 Female
Power	1 x Terminal Block (2 pole, Green)
Power Consumption	DC5V:1.749W:8BTU/h  Note: <ul style="list-style-type: none"><li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li><li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li></ul>
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0% - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.17 kg ( 0.37 lb )
Dimensions (L x W x H)	10.41 x 4.44 x 4.10 cm (4.1 x 1.75 x 1.61 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

