

## HDMI & VGA HDBaseT Transmitter with EU Wall Plate

### VE2812EUT

- ATEN VE2812EUT is a transmitter for sending VGA (with audio) and HDMI signals up to 100 m over a single Cat 5e/6/6a or ATEN 2L-2910 Cat 6 cable. With EU Wall Plate design, the VE2812EUT can be conveniently mounted in a two - gang junction box. The VE2812EUT guarantees reliable transmission of HDMI / VGA signals. For HDMI signal transmission, it supports 3D, Deep Color, and embedded HD lossless audio formats. To pursue longer distance transmission, it supports Long Reach Mode up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p.

For utility flexibility, the VE2812EUT can serve as a video switch by connecting two sources and distribute them to an identical output. The compact wall plate design does away with bulky cables, allowing a neat and convenient installation. Therefore, The VE2812EUT is specifically designed for use in meeting rooms, digital educational environment or wherever needed to meet application requirements.



Top View



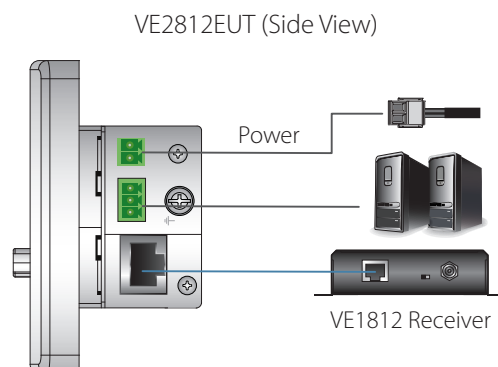
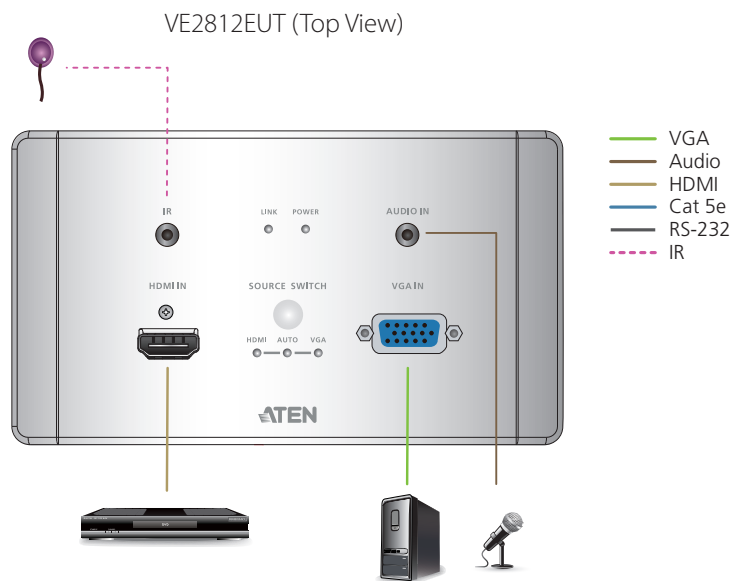
Side View



Side View

## Features

- Extends HDMI or VGA signals over a single Cat 5e/6/6a or ATEN 2L-2910 Cat 6 cable
- Designed to mount in a two-gang junction box
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 compliant
- Superior video quality:
  - HDMI: 4K at distance up to 100 m via a Cat 6a or ATEN 2L-2910 Cat 6 cable
  - VGA: 1600 x 1200 and 1920 x 1200 up to 100 m via a Cat 6a or ATEN 2L-2910 Cat 6 cable
- Supports HDBaseT Long Reach Mode – up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- Supports Auto Switch – automatically switches to a newly plugged-in source
- Functions as a switch or a converter
  - A Switch: Connects two sources (HDMI or VGA)
  - A Converter: Applies receivers with different interface (DVI, DisplayPort, or HDMI)
- Supports RS-232 channel transmission or command mode for source switch control
- Compatible Receivers – VE1812R, VE812R, VE814AR, VE811R, VE801R, VE802R, VE601R, VE901R or future ATEN HDBaseT Receivers
- Plug-and-play
- Built- in 8KV / 15 KV ESD protection
- LED indication of sources and device status



# Specifications

Function	VE2812EUT
<b>Video Input</b>	
Interfaces	1 x HDMI Type A Female (Black) 1 x HDB-15 (VGA) Female (Blue)
Impedance	HDMI: 100 Ω HDB-15 (VGA): 75 Ω
Max. Distance	1.8 m
<b>Video</b>	
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	<b>HDMI:</b> Up to 4K @ 70 m (Cat 5e/6) / 100 m (Cat 6a/ATEN 2L-2910 Cat6); 1080p @ 100 m (Cat 5e/6/6a) <b>VGA:</b> Up to 1920 x 1200 & 1600 x 1200 @ 70 m (Cat 5e/6) / 100 m (Cat 6a/ATEN 2L-2910 Cat6); 1920 x 1080 @ 100 m (Cat 5e/6/6a) <b>*4K supported:</b> 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
<b>Audio</b>	
Input	1 x HDMI Type A Female (Black) 1 x Mini Stereo Jack Female (Green)
<b>Connectors</b>	
Unit To Unit	1 x RJ-45 Female
Power	1 x Terminal Block, 2 pole (Green)
<b>Control</b>	
RS-232	<b>Connector:</b> 1 x Terminal Block, 3 pole (Green) <b>Baud Rate:</b> 19200, Data Bits:8, <b>Stop Bits:</b> 1, no parity and flow control
IR	1 x Mini Stereo Jack Female (Black)
<b>Power Consumption</b>	DC5V, 3.14W
<b>Environmental</b>	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
<b>Physical Properties</b>	
Housing	Metal
Weight	0.35 kg
Dimensions (L x W x H)	5.00 x 10.80 x 5.17 cm
Faceplate Dimension (L x W x H)	8.60 x 15.10 x 1.35 cm

Product information is subject to change without prior notice.

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