VE2812EUT

HDMI & VGA HDBaseT Transmitter with EU Wall Plate (4K@100m) (HDBaseT Class A)

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.

Note: Optional accessory (2X-050G) is available with a separate purchase if you wish to mount the VE2812EUT into the cable cubby.

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
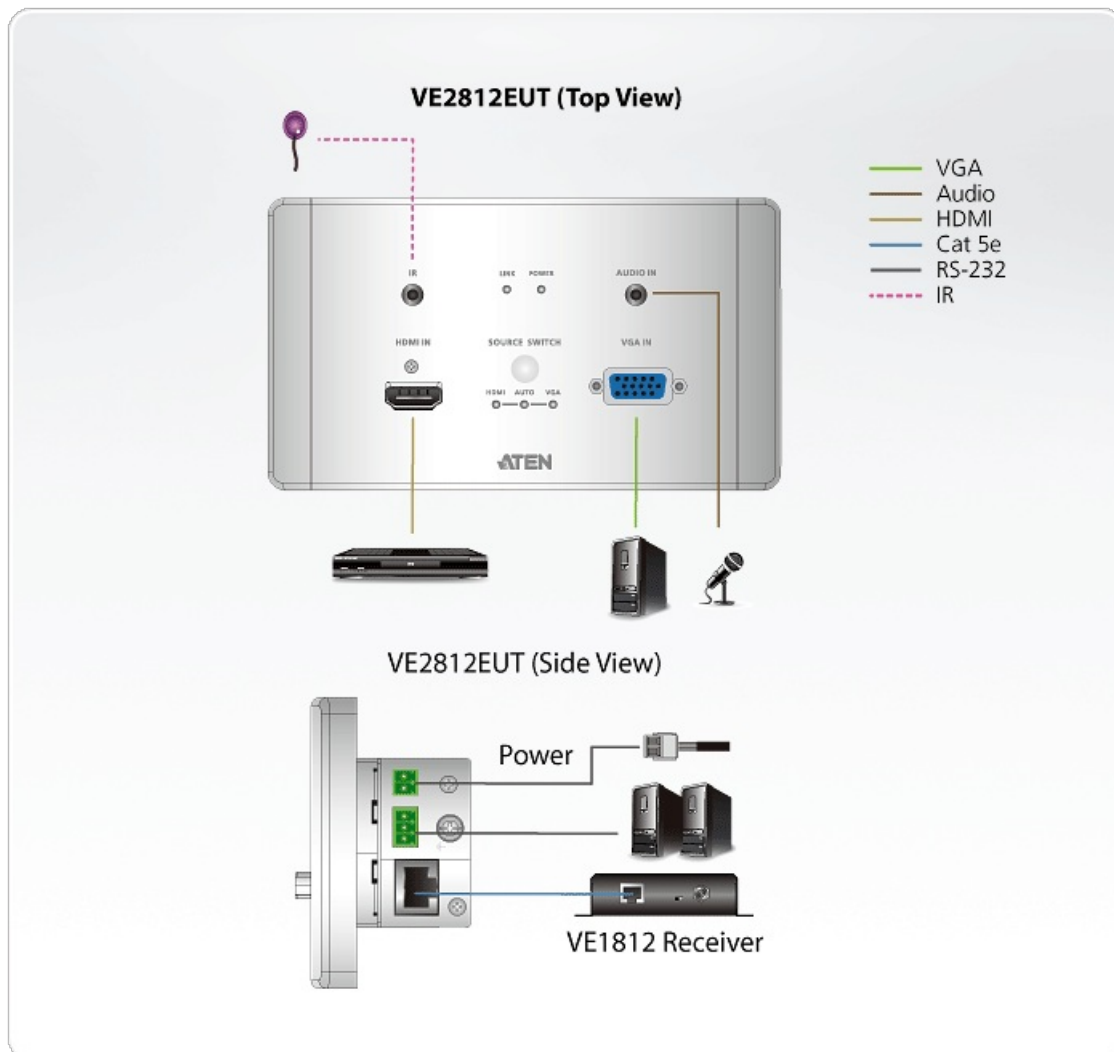- LED indication of sources and device status

Specifications

Video Input

Interfaces	1 x HDMI Type A Female (Black)
	1 x HDB-15 (VGA) Female (Blue)

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Impedance	HDMI: 100 Ω HDB-15 (VGA): 75 Ω
Max. Distance	1.8 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	HDMI: Up to 4K@70m (Cat 5e/6) / 100m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@100m (Cat 5e/6/6a) VGA: Up to 1920x1200 & 1600x1200@70m (Cat 5e/6) / 100m (Cat 6a/ATEN 2L-2910 Cat6); 1920x1080@100m (Cat 5e/6/6a) *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) 1 x Mini Stereo Jack Female (Green)
Connectors	
Unit To Unit	1 x RJ-45 Female
Power	1 x Terminal Block, 2 pole (Green)
Control	
RS-232	Connector: 1 x Terminal Block, 3 pole (Green) Baud Rate: 19200, Data Bits:8, Stop Bits:1, no parity and flow control
IR	1 x Mini Stereo Jack Female (Black)
Switches	
Video Input Port Selection	1 x Push Button - HDMI, VGA and AUTO
Long Reach Mode Switch	1 x Slide Switch - ON/OFF
Firmware Upgrade	1 x Slide Switch - ON/OFF
Power Consumption	DC5V:3.14W:14.71BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C

Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.35 kg (0.77 lb)
Dimensions (L x W x H)	5.00 x 10.80 x 5.17 cm (1.97 x 4.25 x 2.04 in.)
Faceplate Dimensions (L x W x H)	8.60 x 15.10 x 1.35 cm (3.39 x 5.94 x 0.53 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram