

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

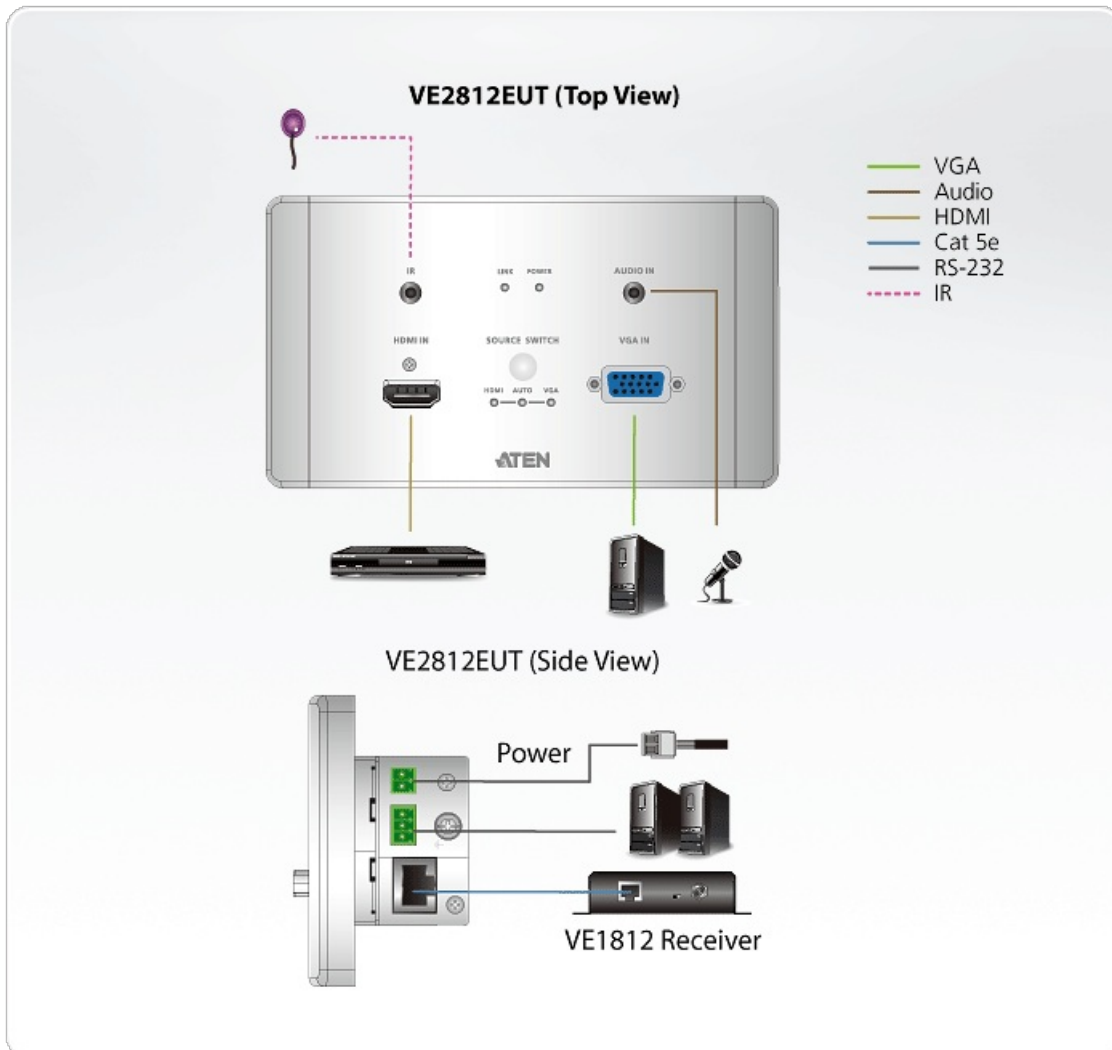
Specification

| |
|-------------|
| Video Input |
|-------------|

| | |
|-----------------------------|--|
| 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 |
| 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: <ul style="list-style-type: none"> ● 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





Simply Better Connections

ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their
respective owners.