

HDMI & VGA HDBaseT Transmitter with US Wall Plate

VE2812UST

- ATEN VE2812UST 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 US Wall Plate design, the VE2812UST can be conveniently mounted in a two - gang junction box. The VE2812UST 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 VE2812UST 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 VE2812UST is specifically designed for use in meeting rooms, digital educational environment or wherever needed to meet application requirements.



Long Reach Mode

RS-232 Channel

IR Channel



VGA



Stereo Audio



Top View



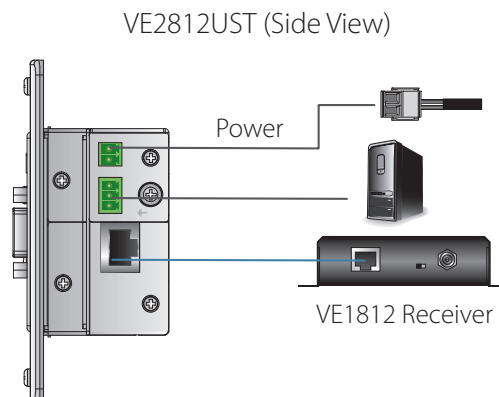
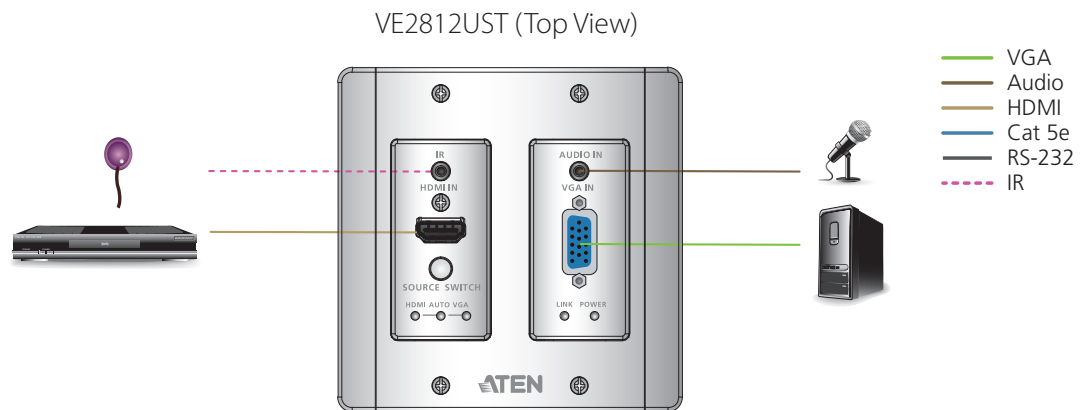
Side View



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 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	VE2812UST
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 @ 70 m (Cat 5e/6) / 100 m (Cat 6a/ATEN 2L-2910 Cat6); 1080p @ 100 m (Cat 5e/6/6a) VGA: 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) *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)
Power Consumption	DC5V, 3.04W
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.29 kg
Dimensions (L x W x H)	10.42 x 8.79 x 5.19 cm
Faceplate Dimension (L x W x H)	11.43 x 11.43 x 0.60 cm

Product information is subject to change without prior notice.

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