HDMI & VGA HDBaseT Transmitter with US Wall Plate / PoH
VE2812AUST

● ATEN VE2812AUST 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. Featuring built-in PoH (Power over HDBaseT) function, the VE2812AUST receives power supply from the HDBaseT output port on the connected device. This eliminates the need for a power adapter and reduces the hassle of power line deployment behind the wall.

With US Wall Plate design, the VE2812AUST can be conveniently mounted in a two - gang junction box. The VE2812AUST 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 VE2812AUST 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 in the wall or the table. Therefore, The VE2812AUST is specifically designed for use in meeting rooms, digital educational environment or wherever needed to meet application requirements.

4K **HDMI** HIGH DEFINITION MULTIMEDIA INTERFACE **HDBT** BASE

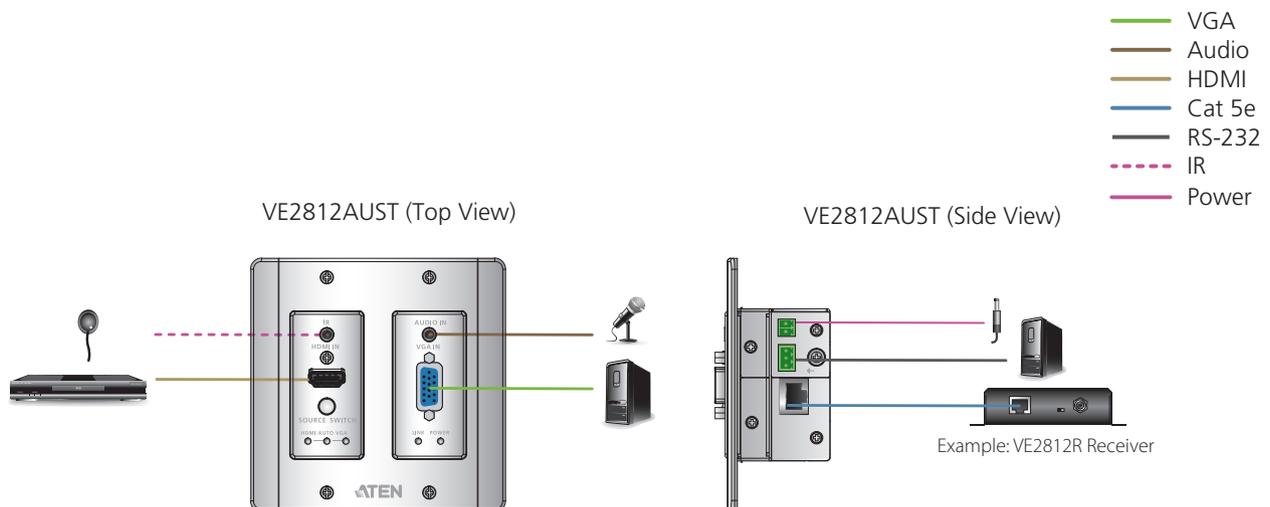| A/V Out HDMI | A/V In VGA | POH | RS-232 Channel | Long Reach Mode | HDCP 2.2 | IR Channel | Stereo Audio |

Top view

Side view

Side view

Note: All pictures shown are for illustration purpose only. Actual color of the product is based on the product you receive.

Features

- Extends HDMI or VGA signals over a single Cat 5e/6/6a or ATEN 2L-2910 Cat 6 cable
- 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
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 compliant
- Supports HDBaseT Long Reach Mode – up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- Designed to mount in a two-gang junction box, compatible with US type
- Built-in PoH (Power over HDBaseT) function – the VE2812AUST receives power supply from the HDBaseT output port on the connected device
- Supports Auto Switch – allows the VE2812AUST to automatically switch 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 – VE2812R, VE1812R, VE812R, VE814AR, VE811R, VE801R, VE802R, VE601R, VE901R or future ATEN HDBaseT Receivers
- Plug-and-play
- LED indication of sources and device status

VGA
Audio
HDMI
Cat 5e
RS-232
IR
Power

VE2812AUST (Top View)

VE2812AUST (Side View)

Example: VE2812R Receiver

Specifications

Functions	VE2812AUST
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	HDMI: 3 m; HDB-15 (VGA): 10 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)
Control	
RS-232 Channel	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
Connectors	
Unit To Unit	1 x RJ-45 Female
Power	1 x Terminal Block, 2 pole (Green) or 1 x RJ-45 Female (PoH)
Power Consumption	DC5V:3.04W:14BTU; DC48V:3.8W:18BTU
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0% - 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.21 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 0.65 cm

Note: This model is also available in brown color— the VE2812AUST2, which is a built-to-order product.
To place an order, please contact your regional ATEN representative.

Product information is subject to change without prior notice.

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