

VE811

HDMI HDBaseT Extender (4K@100m) (HDBaseT Class A)



The ATEN VE811 HDMI HDBaseT Extender guarantees the optimum 4K HDMI signal transmission across up to 100 m via a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable. In addition, with the support for Long Reach Mode, it extends HDMI signals @ 1080p up to 150 m via a single Cat 5e/6 cable. The VE811 meets HDMI specification features including 3D, Deep Color, HD lossless audio formats and CEC pass-through. Plus, it supports Dolby Digital 7.1 ch and DTS HD audio.

Pushing the technology and design to the limit, the compact design makes the VE811 easy to mount in any location. Engineered for today's digital trends, the VE811 is ideal for meeting rooms, or any setting that requires high quality HDMI video to be extended for great distances.



Features

- HDBaseT connectivity – extends 4K HDMI signals up to 100m via a single Cat 5e/6/6a 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
- HDMI (3D, Deep Color, 4K)
- HDCP 2.2 compatible
- Supports resolutions of up to 4K and 1080p
- Consumer Electronic Control (CEC) allows interconnected HDMI devices to communicate and respond to a single remote control
- Supports wide screen format
- Plug and play – no software required
- Built-in 8 kV / 15 kV ESD protection
- Rack mountable

Specification

Function	VE811R	VE811T
Video Input		
Interfaces	N/A	1 x HDMI Type A Female (Black)
Impedance	N/A	100 Ω
Max. Distance	N/A	3 m
Video Output		
Interfaces	1 x HDMI Type A Female (Black)	N/A
Impedance	100 Ω	N/A
Max. Distance	3 m	N/A
Video		
Max. Data Rate	10.2Gbps (3.4Gbps per lane)	10.2Gbps (3.4Gbps per lane)
Max. Pixel Clock	340 MHz	340 MHz
Compliance	HDMI (3D, Deep Color, 4K) HDCP2.2 Compatible Consumer Electronics Control (CEC)	HDMI (3D, Deep Color, 4K) HDCP2.2 Compatible Consumer Electronics Control (CEC)
Max. Resolutions / Distance	Up to 4K@70m (Cat 5e/6) / 100m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@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)	Up to 4K@70m (Cat 5e/6) / 100m (Cat 6a/ATEN 2L-2910 Cat6); 1080p@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	N/A	1 x HDMI Type A Female (Black)
Output	1 x HDMI Type A Female (Black)	N/A
Connectors		
Unit To Unit	1 x RJ-45 Female	1 x RJ-45 Female
Firmware Upgrade	1 x Mini Stereo Jack Female (Black)	1 x Mini Stereo Jack Female (Black)
Power	1 x DC Jack (Black) with locking	1 x DC Jack (Black) with locking
Switches		
Long Reach Mode Switch	1 x Slide Switch - ON/OFF	1 x Slide Switch - ON/OFF
Power Consumption	DC5V:3.84W:18BTU 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.	DC5V:3.77W:18BTU 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	0 - 40°C
Storage Temperature	-20 - 60°C	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing	0 - 80% RH, Non-Condensing
Physical Properties		
Housing	Metal	Metal
Weight	0.17 kg (0.37 lb)	0.16 kg (0.35 lb)
Dimensions (L x W x H) with bracket	8.64 x 7.30 x 2.47 cm (3.4 x 2.87 x 0.97 in.)	8.64 x 7.30 x 2.47 cm (3.4 x 2.87 x 0.97 in.)
Dimensions (L x W x H) without bracket	8.20 x 5.20 x 2.37 cm (3.23 x 2.05 x 0.93 in.)	8.20 x 5.20 x 2.37 cm (3.23 x 2.05 x 0.93 in.)

Diagram



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