

VE811

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



The ATEN VE811 HDMI HDBaseT Extender guarantees the optimum HDMI connection up to 100 m over a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable. The VE811 meets HDMI Specification features including 3D, Deep Color, HD lossless audio formats and CEC pass-through. It supports Dolby Digital 5.1, DTS HD audio and video signals at resolutions up to 4K. In addition, the VE811 supports long reach mode, providing an effective means for extending HDMI signals up to 150m over a single Cat 5e/6 cable.

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

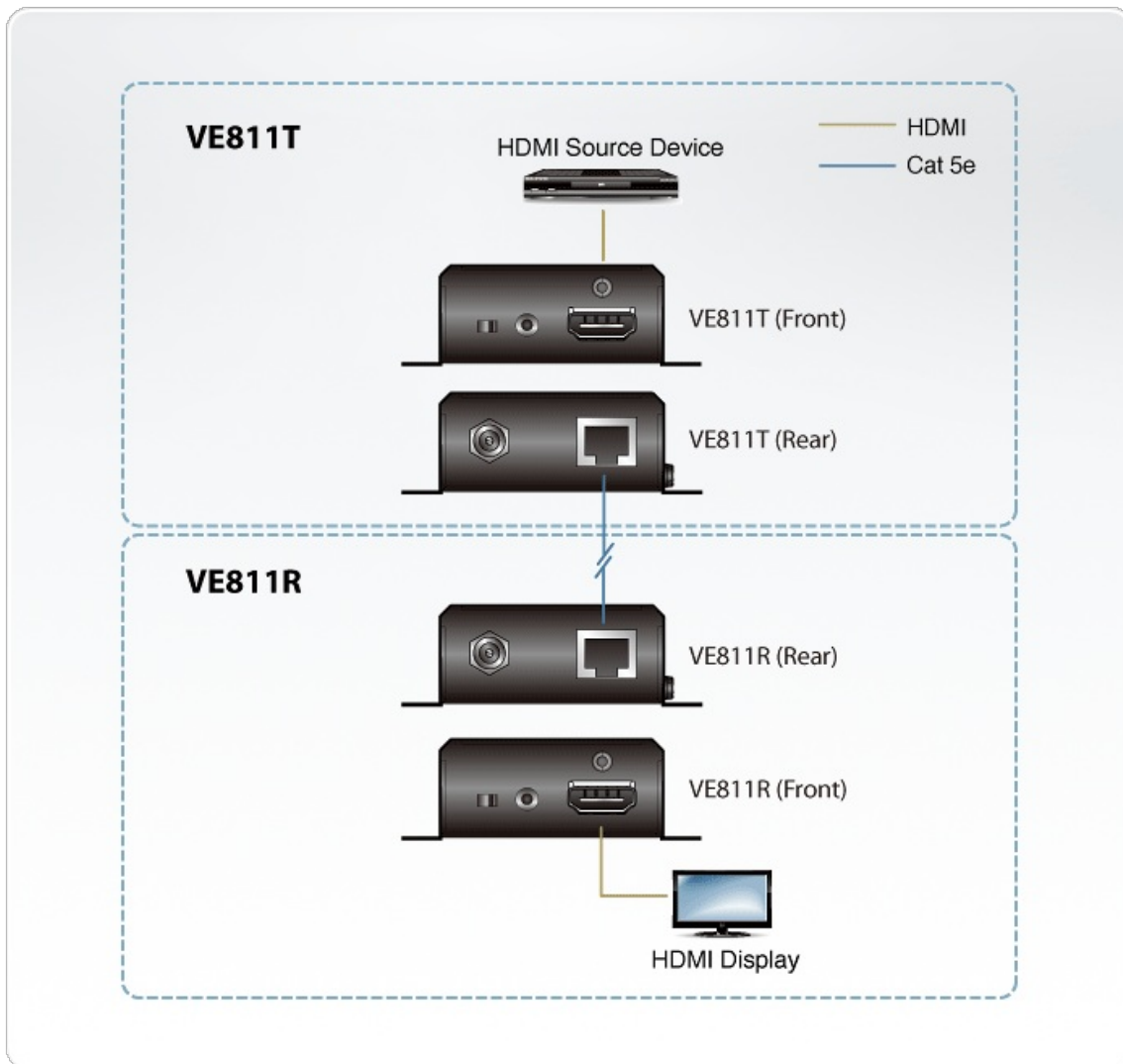
- HDBaseT Connectivity - extends an HDMI connection up to 100m via a single Cat 5e/6/6a or ATEN [2L-2910](#) Cat 6 cable
- Supports HDBaseT Long Reach Mode - up to 150 m via a single Cat 5e/6 cable at resolutions up to 1080p
- HDMI (3D, Deep Color, 4K)
- HDCP 2.2 compatible
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- 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 8KV/ 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 (2L-7D03H)
Video Output		
Interfaces	1 x HDMI Type A Female (Black)	N/A
Impedance	100 Ω	N/A
Max. Distance	3 m (2L-7D03H)	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	DC5V:3.77W:18BTU
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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