

VE901

DisplayPort HDBaseT-Lite Extender (4K@40m; 1080p@70m) (HDBaseT Class B)



The VE901 DisplayPort HDBaseT-Lite Extender is able to extend a DisplayPort display up to 70 m using a Cat 6/6a/ATEN [2L-2910](#) Cat 6 cable. This combination of ATEN and HDBaseT™ technology supports sharing 4K media up to 40 m away, offering a simple, adaptable, and cost-effective solution for any professional A/V installation.

The VE901 DisplayPort HDBaseT-Lite Extender is the perfect solution for professional A/V installations that require video signal interference protection, such as in medical and military installations. With its lightweight and easy-to-mount design, and a slip-resistant DC Jack lock mechanism, the VE901 can be installed in a multitude of locations while ensuring peace of mind with its reliability.



Features

- HDBaseT Connectivity – extends a DisplayPort connection up to 70 meters via a single Cat 6a cable or ATEN [2L-2910](#) Cat 6 cable
- DisplayPort v1.1*; HDCP 1.4 compliant
- Superior video quality – 4K @ 35 m (Cat 5e/6) / 40 m (Cat 6a/ATEN [2L-2910](#) Cat 6 cable) and 1920 x 1080 @ 60m (Cat 5e/6) / 70m (Cat 6a/ATEN [2L-2910](#) Cat 6 cable)
- HDBaseT Anti-Jamming – resists signal interference during video transmission using HDBaseT technology
- Featuring 3.3V / 500mA power output for powering auxiliary devices
- Plug-and-play
- Rack-Mountable

*Note:

DisplayPort v1.1 supports up to 4Kx2K @ 30Hz.

Specification

Function	VE901R	VE901T
Video Input		
Interfaces	N/A	1 x DisplayPort Female (Black)
Impedance	N/A	100 Ω
Max. Distance	N/A	1.5 m
Video Output		
Interfaces	1 x DisplayPort Female (Black)	N/A
Impedance	100 Ω	N/A
Video		
Max. Data Rate	10.2Gbps (3.4Gbps per lane)	10.2Gbps (3.4Gbps per lane)
Max. Pixel Clock	297 MHz	297 MHz
Compliance	DisplayPort (Deep Color, 4K) HDCP Compatible	DisplayPort (Deep Color, 4K) HDCP Compatible
Max. Resolutions / Distance	Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a); 1080p@60m (Cat 5e/6) / 70m (Cat 6a) *4K supported: 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	Up to 4K@35m (Cat 5e/6) / 40m (Cat 6a); 1080p@60m (Cat 5e/6) / 70m (Cat 6a) *4K supported: 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Audio		
Input	N/A	1 x DisplayPort Female (Black)
Output	1 x DisplayPort Female (Black)	N/A
Connectors		
Power	1 x DC Jack (Black) with locking	1 x DC Jack (Black) with locking
Power Consumption	DC5V:5.72W:27BTU 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:2.84W:13BTU 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	0.27 kg (0.59 lb)	0.24 kg (0.53 lb)
Dimensions (L x W x H) with bracket	9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.)	9.77 x 8.70 x 3.00 cm (3.85 x 3.43 x 1.18 in.)
Dimensions (L x W x H) without bracket	9.42 x 6.60 x 2.90 cm (3.71 x 2.6 x 1.14 in.)	9.42 x 6.60 x 2.90 cm (3.71 x 2.6 x 1.14 in.)

Diagram



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