

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.

Specifications

| 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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