



The Atlona AT-PS-POE is a 48 VDC mid-span power injector designed to send remote power to HDBaseT™ products that operate on IEEE 802.03af Power over Ethernet. When placed within an HDBaseT transmission line, it allows two PoE-powered products to work together. The power supply features two power switches to selectively send power up- or down-stream. Both power streams can operate simultaneously. With a bandwidth of 10.2 Gbps, the power supply supports 4K/UHD resolutions, multi-channel audio formats, and offers full 3-D pass-through and passes all HDCP signals. The AT-PS-POE is housed in a compact enclosure and can be conveniently placed anywhere between the transmitter and receiver to provide power for PoE-powered devices.

Power Source Equipment (PSE) devices have an internal power supply or plug into external power supply and provide power to the HDBaseT cable. Powered Devices (PD) receive their power from the HDBaseT cable. Atlona offers HDBaseT product series that route remote power in two directions: The HDVS Series powers from the receiving end while the UHD-EX Series powers from the transmitting end.

The AT-PS-POE now enables a tremendous amount of compatibility across these product series. For example, with the mid-span power supply, HDVS-150 and -200 Series switchers can now be used with UHD-EX Series receivers. In addition, the AT-PS-POE can also be used in-line with non-PoE products such as displays or AT-PRO2HD1616M matrix switchers still in service that need a new extender receiver. In these applications, the AT-PS-PoE is used to power the AT-UHD-EX-100CE-RX at a new location in the installation.

#### **Power supply for remote powering for powered devices on HDBaseT transmission lines -**

- Supplies 48 VDC to products using IEEE 802.03af Power over Ethernet
- Industry standard powering scheme for HDBaseT products

#### **Mid-span power supply -**

- Routes powers to up- and down-stream lines simultaneously
- Saves cost by eliminating duplicate devices

#### **Low-profile, discreet enclosure -**

- Easy insertion anywhere into HDBaseT transmission line including confined spaces
- Keeps devices out-of-sight when placed in public spaces

#### **Power switches for incoming and outgoing line -**

- Power can be turned off in the direction of a non-PoE device
- Sends power only in the required direction

#### **Supports 4K/UHD signals -**

- 10.2 Gbps bandwidth power supply supports 4K/ UHD resolutions, multi-channel audio formats, HDCP 2.2, and offers full 3-D pass-through
- Ideal for ultra-high resolution signals

#### **Upgrade for PoC systems -**

- Use UHD-EX Series extender receives with PRO2HD Series or HD-CAT Series systems
- Maintains ROI on legacy systems that need an additional signal extension or receiver upgrade/ replacement

## Specifications

### Video Resolutions

Video 4096x2160@24/25/30/50\*/60Hz\*, 3840x2160@24/25/30/50\*/60Hz\* (UHD), 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i

VESA 2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480

Color Space YUV, RGB  
 Chroma Subsampling 4:4:4, 4:2:2, 4:2:0\*  
 Color Depth 8-bit, 10-bit, 12-bit

### Audio

HDBaseT PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos

Sample Rate 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz  
 Bit Rate up to 24-bit

### Distance

Per Product Reduces HDBaseT cable distance by 10%

### Signal

Bandwidth 10.2 Gbps  
 CEC Yes  
 HDCP 2.2

### Temperature

Operating 0°C to 50°C 32°F to 122°F  
 Storage -20°C to 60°C -4°F to 140°F  
 Humidity 20 to 90% non-condensing

### Power

Consumption 15.2W  
 Supply Input: AC100-240V ~ 50/60Hz  
 Output: DC 48V/0.83A

### Dimension

H x W x D 24.4 x 73.37 x 70.47 mm 0.96 x 2.89 x 2.77 inch

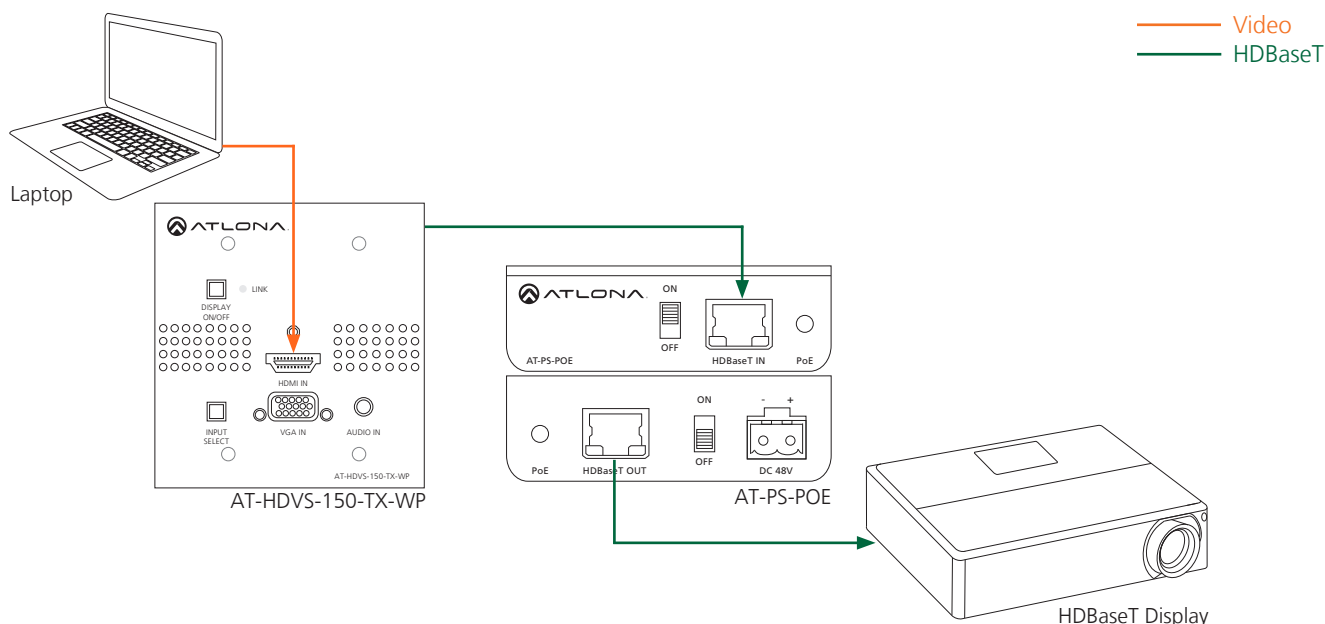
### Weight

Device 0.19 kg 0.09 lbs

### Certification

Unit CE, FCC  
 Power Supply CE, FCC, Level VI, RoHS, cULus, RCM, CCC

\*4096x2160@50/60Hz & 3840x2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only



Specifications and availability subject to change without notice. Actual products, product images, and online product images may vary from images shown here. Not responsible for typographical errors.