

This product supports 4K 60Hz 4:4:4 subsampling for HDR televisions. To ensure optimal performance, check the factory default settings on your TV. (1) The frequency (Hz) should be set to 60Hz (2) HDR feature should be enabled (3) HDMI input settings should be set to 2.0 (4) UHD Deep Color should be set to ON.

## DisplayPort to HDMI over Cat6 Extender Kit with PoC - 4K x 2K @ 60 Hz, 4:4:4:, 125 ft. (38.1 m), TAA

MODEL NUMBER: B127-1A1-DH



Transmitter/receiver kit extends a 4K DisplayPort signal via Cat6 cable to an HDMI projector, monitor or HDTV up to 125 ft. away.

### Features

**DP to HDMI Extender for Digital Signage or Displaying Video in Schools or Trade Show Booths**This complete transmitter and receiver system is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings and digital signage applications where the source and display are farther apart than conventional A/V cables allow. The B127-1A1-DH extends 4K video and stereo audio signals from a DisplayPort (DP) source device to an HDMI display up to 125 feet (38.1 meters) away via user-supplied Cat6 cabling.

**Transmits Crystal-Clear 4K HDMI Video with Multi-Channel Audio and 4:4:4 Color**The B127-1A1-DH supports Ultra HD video resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with full, rich uncompressed DTS-HD, Dolby AC-3 and 8-channel LPCM digital audio. Built-in equalization automatically fine-tunes the image quality at the remote display with no time-consuming manual fiddling needed. It's compatible with HDCP 2.2, DisplayPort 1.2a, EDID and HDMI 2.0 standards for carrying HDR (high dynamic range) signals. It also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

**Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks**Built-in Power over Cable (PoC) technology powers the low-profile receiver over Cat6 cable. Green and orange LEDs on both the transmitter and receiver will light up to indicate the system is receiving power and a signal is being transmitted.

**Plug-and-Play Operation for Quick Setup and Immediate Use**The included transmitter and receiver units work right out of the box with no software required. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Connect the transmitter to the source with a DisplayPort cable (Tripp Lite P580-Series) and the receiver to the display with an HDMI cable (such as Tripp Lite's P568- or P569-Series). Then, connect the two units using Cat6 patch cable (Tripp Lite N202-Series). Connect an optional display to the transmitter's local HDMI output to monitor the image connected to the receiver up to 125 feet away.

**TAA-Compliant for GSA Schedule Purchases**The B127-1A1-DH is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

### Highlights

- Delivers UHD picture quality at resolutions up to 3840 x 2160 (4K x 2K) @ 60 Hz
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Transmitter's local HDMI port allows you to see the Ultra HD image being displayed
- Compatible with latest HDMI standards, including 4:4:4 subsampling for HDR televisions
- Plug-and-play operation with no software required for easy, immediate installation

### Applications

- Connect a media server, cable/satellite box, gaming system or other home theater component to a large-screen 4K television or projector
- Upgrade the video quality of your trade show presentation or digital signage installation in a commercial or educational setting to 4K x 2K

### System Requirements

- Source device with DisplayPort output (media server, laptop)
- Display device with HDMI input (HDTV, projector, monitor)

### Package Includes

- Transmitter unit
- Receiver unit
- External power supply (Input: 100–240V)



- (4) International plug adapters  
(North America, Europe, U.K.  
and Australia)
- Mounting hardware
- Owner's manual

## Specifications

OVERVIEW	
UPC Code	037332239129
INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
External Power Supply Input Specs (V / Hz / A)	100-240V~50/60Hz, 0.6A
External Power Supply Output Specs (V / A)	24V/1A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
External Power Supply Certifications	CCC; CE; FCC; GS; TUV; UL; cUL
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Tx: x1 Green (Power), x2 Orange (Local, Output); Tx RJ45 port: Green (Connected), Orange (Activity) Rx: x1 Green (Power); Rx RJ45 port: Green (Connected), Orange (Activity)
PHYSICAL	
Unit Packaging Type	Box
Material of Construction	Metal
Color	Black
Transmitter Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
Receiver Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
Transmitter Unit Weight (lbs.)	0.45
Receiver Unit Weight (lbs.)	0.45
Rackmountable	Yes
ENVIRONMENTAL	
Operating Temperature Range	32 to 104°F (0 to 40°C)



Storage Temperature Range	5 to 122°F (-15 to 50°C)
Relative Humidity	0% to 85% RH, Non-Condensing
<b>COMMUNICATIONS</b>	
Signal Range (ft.)	125
Signal Range (m)	38
<b>CONNECTIONS</b>	
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side A - Connector 2	HDMI (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Max Supported Video Resolution	4K x 2K (3840 x 2160) @60Hz
Displayport Specification	1.2a
HDMI Specification	2.0
HDCP Specification	2.2
Audio Specification	True uncompressed 7.1 Channel, DTS-HD & Dolby-TrueHD digital audio
Driver Required	No
Recommended Category Cable	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Max Supported Color Depth	24-bit True Color
EDID Compatible	Yes
Power Over Cable (PoC) Support	Yes
Technology	A/V over IP; Cat6; DisplayPort; HDMI; HDR
Chroma Sub Sampling	4:4:4
<b>SPECIAL FEATURES</b>	
HDR Support	Yes
<b>CERTIFICATIONS</b>	
Certifications	Tested to CE, FCC, REACH, RoHS
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty



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Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>