This product supports 4K 60 Hz 4:4:4 subsampling for HDR displays. To ensure optimal performance, check the factory default settings on your display:

- Frequency should be set to 60 Hz

- HDR feature should be enabled

- HDMI input settings should be set to 2.0

- UHD Deep Color should be set to On

USB-C to HDMI over Cat6 Extender Kit, Transmitter/Receiver, PD 3.0, PoC, HDR, 4K @ 60 Hz, 4:4:4, 125 ft., TAA

MODEL NUMBER: **B127-1A1-CH**

Transmitter/receiver kit extends a 4K A/V signal via Cat6 cable from a USB-C tablet or laptop to an HDMI display up to 125 ft. away.

Features
USB-C to HDMI Extender for Displaying Video in Boardrooms and Conference Rooms
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-CH extends 4K video and stereo audio signals from a USB-C source device to an HDMI display up to 125 feet away via user-supplied Cat6 Ethernet cabling.

Supports USB DisplayPort Alternate Mode for Converting Audio/Video Signals
By connecting a USB-C cable to a source device that supports DisplayPort Alt Mode, you can output 4K video and digital audio to an HDMI monitor, television or projector without installing special software drivers.

Transmits Crystal-Clear 4K HDMI Video with HDR and 4:4:4 Color
The B127-1A1-CH supports Ultra HD video resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with 8-channel LPCM, AC-3 and DTS 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 HDMI 2.0 standards for carrying HDR signals, which provide a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. HDCP 2.2 compliance allows you to stream iTunes and Netflix content with no complications. This kit 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
Power over Cable (PoC) technology powers the remote 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

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video

- USB-C PD 3.0 port charges source device to avoid battery drain and untimely shutdowns

- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable

- Transmitter's local port shows you the UHD image being displayed up to 125 ft. away

- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy

Applications

- Connect a MacBook Pro, Windows laptop or notebook to a 4K display in a large conference room or meeting room for a video or PowerPoint presentation

- Upgrade the video quality of your trade show presentation or digital signage in a commercial or educational setting

- Stream Netflix, Amazon Prime, Hulu and other home entertainment channels to your HDTV or projector

System Requirements

- Source device with USB-C output (iPad, tablet, smartphone) that supports USB DisplayPort Alternate Mode

- Display devices with HDMI input

signal is being transmitted. PoC lets you avoid the hassle of a bulky power brick and gives you the freedom to place the receiver away from an AC outlet.

PD 3.0 Charging Port Charges the Source Device to Avoid Battery Drain and Signal Loss
The USB-C Power Delivery port provides power output up to 20V 3A (60W), which is sufficient wattage for charging and powering the connected source device, such as a MacBook Pro or Windows laptop. Connect the device's power supply or power adapter between the USB-C PD 3.0 port and an available AC outlet to prevent the source from running out of power prematurely.

Local HDMI Port Supports Multi-Resolution Technology
Connect a display to the transmitter's HDMI port to monitor the image being sent to the remote display. The port allows connection of displays of various resolutions without affecting the 4K @ 60 Hz transmission extended to the remote receiver.

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 USB Type-C cable (such as Tripp Lite's U420-Series) and the receiver to the display with an HDMI cable (Tripp Lite's P568- or P569-Series). Then, connect the two units using Cat6 Ethernet cable (Tripp Lite N202-Series cable).

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

(HDTV, projector, monitor)

Package Includes

- Transmitter
- Receiver
- External power supply (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, Europe, U.K., Australia)
- Mounting hardware
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332253941

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	
Color	Black
Material of Construction	Metal
Rackmountable	Yes

Receiver Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
Receiver Unit Weight (lbs.)	0.45
Transmitter Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
Transmitter Unit Weight (lbs.)	0.45
Unit Packaging Type	Box

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

COMMUNICATIONS

Signal Range (ft.)	125
Signal Range (m)	38

CONNECTIONS

Side A - Connector 1	(1) HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side A - Connector 3	(2) USB C (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)

FEATURES & SPECIFICATIONS

Max Supported Video Resolution	4K x 2K (3840 x 2160) @60Hz
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; HDMI; HDR
Chroma Sub Sampling	4:4:4

SPECIAL FEATURES

HDR Support	Yes

Wall Mountable	No
DIN Mountable	No
Integrated/Removable Cable	No
MST Support	No
Included Mounting Accessory	No
Multi-Resolution Support	No
CERTIFICATIONS	
Certifications	Tested to CE, FCC, REACH, RoHS
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty