Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- USB-C PD 3.0 port supports 20V 3A (60W) power output for charging host device
- 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 (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

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 HzHDR feature should be enabledHDMI input settings should be set to 2.0UHD Deep Color should be set to On

USB-C to HDMI over Cat6 Extender Kit, Transmitter/Receiver, 4K 60 Hz, PoC, HDR, 60W PD Charging, 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 (38 meters) 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 4K x 2K (3840 x 2160) at 60 Hz, as specified in HDMI 2.0, 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. The extender is capable of carrying HDR signals, which provide a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. 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 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 at 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.

Specifications

OVERVIEW	
UPC Code	037332253941
Product Type	Extender Kit
Technology	HDMI; Cat5/5e; Cat6; POC

VIDEO	
Video Input	USB C (FEMALE)
Video Output	HDMI (FEMALE)
Max Supported Video Resolution	3840 x 2160 (4K @ 60Hz)
Max 1280 x 720 (720p) Range (ft)	200
Max 1920 x 1080 (1080p) Range (ft)	200
Max 1920 x 1200 Range (ft)	150
Max 2560 x 1600 Range (ft)	150
Max 3840 x 2160 (4K@30Hz) Range (ft)	150
Max 3840 x 2160 (4K@60Hz) Range (ft)	125
Transmitter Video Input	USB-C
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1

Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Max Supported Color Depth	24-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	125
Maximum Signal Range (m)	38

AUDIO

Audio Input	USB-C
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD

INPUT

AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.6A
AC Power Adapter Output Specs (V / A)	24V / 1A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.37
Bus Powered	No

POWER

Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter end only (Included)
Power Over Cable (PoC) Support	Yes
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	3.0; 60W; 20V/3A

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

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Included Mounting Accessories	Wallmount
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
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
Housing	Metal

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
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No

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)
Daisy-chainable / Cascadable	No

FEATURES & SPECIFICATIONS

10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No

MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	No
Built-In Equalizer	Yes
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
DIN Mountable	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; CE; FCC; GS; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty