

Important Note

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, 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.

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



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PD 3.0 Charging Port Charges the Source Device to Avoid Battery Drain and Signal LossThe 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 TechnologyConnect 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 UseThe 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 U420-Series) and the receiver to the display with an HDMI cable (P568- or P569-Series). Then, connect the two units using Cat6 Ethernet cable (N202-Series cable).

TAA-Compliant for GSA Schedule PurchasesThe 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) |



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TRIPP-LITE
by **EAT•N**

| | |
|--|--|
| 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 |
| 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 |



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| 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 |
| 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 |
| FEATURES & SPECIFICATIONS | |
| 10/100 Ethernet Extension Support | No |
| Integrated/Removable Cable | No |
| MST Support | No |
| Mounting Accessory Included | No |



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| | |
|--------------------------------------|---|
| 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 |

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