

1-Port HDMI over Cat6 Receiver - 4K 60 Hz, HDR, 4:4:4, PoC, HDCP 2.2, 230 ft. (70.1 m), TAA

MODEL NUMBER: B127A-1A0-BH



Works with a Tripp Lite B127A-Series transmitter, switch or splitter to extend 4K video 230 ft. to an HDMI display via Cat6 cable.

Features

HDMI Extender Receiver Ideal for Digital Signage in Schools and Workplaces

This 4K receiver is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings, hotels and other digital signage applications where the source and display are farther apart than conventional A/V cables allow.

Extends a 4K A/V Transmission up to 230 ft....or Even Farther

The B127A-1A0-BH connects to a B127A-Series transmitter, switch or splitter to extend 4K signals from an HDMI source to an HDMI display up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. By adding a B127A-010-H signal repeater (sold separately) to the application, you can extend the signal up to 400 feet (121.9 meters).

Supports Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color

The B127A-1A0-BH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with 7.1-channel surround sound audio via TOSLINK. High Dynamic Range (HDR) provides 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 4K Amazon and Netflix content with no complications. This receiver also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. Built-in equalization allows you to fine-tune the image quality at the remote display.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks

Power over Cable (PoC) technology powers the B127A-1A0-BH over Cat6 cable. LEDs indicate when 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 where needed without worrying about finding a nearby AC outlet.

Plug-and-Play Operation for Quick Setup and Immediate Use

The receiver works right out of the package with no software required. Mounting hardware is included for installing it on a wall, pole or 19-inch rack. Connect the receiver to a transmitter, switch or splitter with user-supplied Cat6 cable (such as N202-Series). Connect to a 4K display with a user-supplied HDMI cable (such as P568- or P569-Series).

TAA-Compliant for GSA Schedule Purchases

Highlights

- Supports 4K @ 60 Hz video resolutions (4:4:4) as specified in HDMI 2.0
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Combines with optional B127A-010-H repeater to extend signal to 400 ft.
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Extend video signals from one room to another using Cat6 cable, which can pass through conduit to meet building codes
- Gain flexibility in where the receiver is placed, with the freedom to move and relocate it away from an AC outlet
- Improve the line of sight for digital signage in a hotel, restaurant, theater, house of worship, trade show or other location

System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- Display device with HDMI input (HDTV, projector, monitor)
- B127A-Series transmitter, switch or splitter

Package Includes

- B127A-1A0-BH 1-Port HDMI over Cat6 Receiver
- Mounting hardware
- Owner's manual

The B127A-1A0-BH 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 | |
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| UPC Code | 037332263230 |
| Product Type | Receiver |
| Technology | Cat5/5e; Cat6; HDMI; POC |
| VIDEO | |
| Video Input | RJ45 (FEMALE) |
| Video Output | HDMI (FEMALE) |
| Number of Monitors Supported | 1 |
| Video Ports | HDMI (FEMALE) |
| Video Ports Details | HDMI 2.0; HDCP 2.2 |
| Resolutions Supported | 3840 x 2160 (4K x 2K) @ 60 Hz |
| Max Supported Video Resolution | 3840 x 2160 @ 60 Hz |
| Max 1280 x 720 (720p) Range (ft) | 230 |
| Max 1920 x 1080 (1080p) Range (ft) | 230 |
| Max 1920 x 1200 Range (ft) | 230 |
| Max 2560 x 1600 Range (ft) | 230 |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 230 |
| Max 3840 x 2160 (4K@60Hz) Range (ft) | 230 |
| Receiver/Transceiver Video Output | HDMI |
| Receiver - Number of Video Outputs | 1 |
| Signal Range (ft) | 230 |
| Signal Range (m) | 230 |
| Range Extension using other Tripp Lite product | 230 ft. |
| Recommended Cabling | Solid Wire 24AWG Cat6 Cabling (Tripp Lite N202-Series) |
| Extended Mode | Yes |
| Extended Mode Details | x1 HDMI Port (4K/60 Hz) |
| Mirror Mode | Yes |
| Mirror Mode Details | x1 HDMI Port (4K/60 Hz) |

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| Other Tripp Lite product used to extend range | B127A-010-H Signal Booster |
| Max Supported Color Depth | 36-bit Deep Color |
| HDR Support | Yes |
| 3D Video Supported | Yes |
| Chroma Sub Sampling | 4:4:4 |
| Maximum Signal Range (ft) | 230 |
| Maximum Signal Range (m) | 70 |
| AUDIO | |
| Audio Ports | HDMI (FEMALE) |
| Audio Ports Details | Supports pass-through audio formats including LPCM 2.0/5.1/7.1 |
| Audio Input | HDMI |
| Audio Output | HDMI; Toslink |
| Audio Specification | Supports pass-through Audio format including LPCM2.0/5.1/7.1; TOSLINK |
| INPUT | |
| Bus Powered | No |
| POWER | |
| Power Source | Transmitter end only (Optional) |
| Power Over Cable (PoC) Support | Yes |
| Receiver Power Source | Power Over Cable |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | (x1) Power = Green; RJ45 (x1) Green = Power, (x1) Orange = video being transmitted to the receiver |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Metal |
| Included Mounting Accessories | Yes |
| Number of Displays | 1 |
| Form Factor/Mounting Options | Box |
| Rackmountable | Yes |
| Shipping Dimensions (hwd / in.) | 2.17 x 8.43 x 6.46 |
| Shipping Dimensions (hwd / cm) | 5.51 x 21.41 x 16.41 |
| Shipping Weight (lbs.) | 1.23 |
| Shipping Weight (kg) | 0.56 |

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| Unit Dimensions (hwd / in.) | 1.063 x 4.528 x 2.457 |
| Unit Dimensions (hwd / cm) | 2.7 x 11.5 x 6.24 |
| Unit Packaging Type | Box |
| Unit Weight (lbs.) | 0.55 |
| Unit Weight (kg) | 0.25 |
| 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.) | 230 |
| Signal Range (m) | 70 |
| Transmission Distance | 230 ft. |
| EDID Compatible | Yes |
| IR Remote Extension Support | No |
| RS-232 Serial Extension Support | No |
| Consumer Electronics Control (CEC) Supported | Yes |
| Latency | 0 |
| USB Extension Support | No |
| CONNECTIONS | |
| Side A - Connector 1 | RJ45 (FEMALE) |
| Side A - Connector 2 | HDMI (FEMALE) |
| Side B - Connector 1 | TOSLINK (FEMALE) |
| Daisy-chainable / Cascadable | No |
| FEATURES & SPECIFICATIONS | |
| All-in-One Kit | No |
| Integrated/Removable Cable | No |
| MST Support | No |
| Mounting Accessory Included | Yes |
| Multi-Resolution Support | No |
| Built-In Equalizer | Yes |
| HDCP Specification | 1.4; 2.2 |

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| Driver Required | No |
| Recommended Category Cable | Cat6 24AWG Solid Cabling |
| DIN Mountable | No |
| STANDARDS & COMPLIANCE | |
| Product Compliance | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA); UKCA |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |