

HDMI over Cat6 Extender Kit, KVM Support, 4K 60Hz, 4:4:4, USB/IR, PoC, HDR, HDCP 2.2, 230 ft., TAA

MODEL NUMBER: B127A-1A1-BHBH



HDMI extender kit with transmitter and receiver extends a 4K signal via Cat6 cable to an HDMI display up to 230 ft. away.

Features

HDMI Extender Kit Ideal for Digital Signage in Schools, Restaurants and Lecture Halls

This complete transmitter and receiver system 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....and More

The B127A-1A1-BHBH extends 4K signals from an HDMI source device to an HDMI display up to 230 feet away via user-supplied Cat6 cabling. By adding a B127A-010-H HDMI repeater or B127A-110-BH transceiver (sold separately) to the application, you can extend the signal up to 400 or 460 feet, respectively. **Dip Switches Extend Your Choice of Either USB or IR.**

The DIP switches on both the transmitter and receiver can be adjusted to let you choose from the USB 1.1 or bi-directional IR functions. Choose to either control the source device via keyboard and mouse or IR remote control from the display end of the installation. Only one function can be extended at a time.

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

The B127A-1A1-BHBH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified by HDMI 2.0, with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. 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 extender kit 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.

Local HDMI Port on Transmitter Supports 4K @ 60 Hz Resolution

To monitor the video signal being extended to the receiver, connect a 4K display to the transmitter's local HDMI port with a user-supplied HDMI cable. This port does not support multi-resolution capabilities, so the connected monitor must also support 4K/60 Hz to function properly.

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

Power over Cable (PoC) technology powers the transmitter or receiver over Cat6 cable. LEDs on both unit will light up to indicate the system is receiving power and a signal is being transmitted. PoC lets you avoid

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Transmitter's local port shows you the 4K image being displayed at the other end
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Connect a laptop for a video or PowerPoint presentation in an auditorium or lecture hall, where the source device changes frequently
- 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 units are placed, with the freedom to move and relocate one 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)

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. and Australia)
- IR-In cable
- IR-Out cable

the hassle of a bulky power brick and gives you the freedom to place the unit where needed without worrying about finding a nearby AC outlet.

- Mounting hardware
- Owner's manual

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 both units on a wall, pole or 19-inch rack. Connect the transmitter to the source with a user-supplied HDMI cable (such as P568- or P569-Series). Then, connect the receiver to the display with another user-supplied HDMI cable. Finally, connect the two units with user-supplied Cat6 patch cable (such as N202-Series).

TAA-Compliant for GSA Schedule Purchases

The B127A-1A1-BHBH 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 | 037332258625 |
| Product Type | Extender Kit |
| Technology | HDMI; Cat5/5e; Cat6; POC; IR |
| VIDEO | |
| Video Input | HDMI (FEMALE) |
| Video Output | HDMI (FEMALE) |
| Max Supported Video Resolution | 3840 x 2160 (4K @ 60Hz) |
| 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 |
| Transmitter Video Input | HDMI |
| Transmitter - Number of Video Outputs | 1 |
| Transmitter - Local Display Output | HDMI |
| Receiver/Transceiver Video Output | HDMI |
| Receiver - Number of Video Outputs | 1 |
| Range Extension using other Tripp Lite product | 170 ft. or 230 ft. |
| Recommended Cabling | Solid Wire Cat6 Cables (Tripp Lite's N202-Series) |

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|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Other Tripp Lite product used to extend range | B127A-010-H or B127A-110-BH |
| Max Supported Color Depth | 36-bit True 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 Input | HDMI |
| Audio Output | Toslink; HDMI |
| Audio Specification | Pass-through audio (LPCM 2.0/5.1/7.1) |
| 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) | 1.38 |
| 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 or Receiver (Included) |
| Power Over Cable (PoC) Support | Yes |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | TX: Green (Power); RJ45 Port: Green (Connection), Orange (Activity); RX: Green (Power), RJ45 Port: Green (Connection), Orange (Activity) |
| PHYSICAL | |
| Material of Construction | Metal |
| Included Mounting Accessories | Wallmount |
| Number of Displays | 1 |
| Form Factor/Mounting Options | Box; Wall-mount |

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|----------------------------------------------|--------------------------------------|
| Rackmountable | Yes |
| Receiver Unit Dimensions (hwd / cm.) | 2.7 x 11.5 x 6.24 |
| Receiver Unit Weight (kg) | 0.45 |
| Shipping Dimensions (hwd / in.) | 2.17 x 10.24 x 6.46 |
| Shipping Dimensions (hwd / cm) | 5.51 x 26.01 x 16.41 |
| Shipping Weight (lbs.) | 1.45 |
| Shipping Weight (kg) | 0.66 |
| Transmitter Unit Dimensions (hwd / cm.) | 2.7 x 11.5 x 6.24 |
| Transmitter Unit Weight (kg) | 0.45 |
| 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 | Yes |
| RS-232 Serial Extension Support | No |
| Consumer Electronics Control (CEC) Supported | Yes |
| Latency | Zero-Latency |
| USB Extension Support | Yes |
| CONNECTIONS | |
| Side A - Connector 1 | (2) HDMI (FEMALE) |
| Side A - Connector 2 | RJ45 (FEMALE) |
| Side A - Connector 3 | (2) 3.5MM (FEMALE) |
| Side A - Connector 4 | MICRO-USB B (FEMALE) |
| Side B - Connector 1 | HDMI (FEMALE) |
| Side B - Connector 2 | RJ45 (FEMALE) |
| Side B - Connector 3 | (2) USB A (FEMALE) |
| Side B - Connector 4 | TOSLINK (FEMALE); (2) 3.5MM (FEMALE) |

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|--------------------------------------|-----------------------------------------------------------------------|
| Side B - Connector 5 | (2) USB A (FEMALE) |
| Daisy-chainable / Cascadable | No |
| FEATURES & SPECIFICATIONS | |
| USB Specification | USB 1.1 (up to 12 Mbps) |
| 10/100 Ethernet Extension Support | No |
| Integrated/Removable Cable | No |
| MST Support | No |
| Mounting Accessory Included | No |
| Multi-Resolution Support | No |
| Built-In Equalizer | No |
| Driver Required | No |
| Recommended Category Cable | Cat6 |
| DIN Mountable | No |
| STANDARDS & COMPLIANCE | |
| External Power Supply Certifications | CE; FCC; CCC; GS; TUV; UL; cUL |
| Product Compliance | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA); UKCA |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |