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Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Extend touch screen ability for Interactive Flat Panel Displays
- 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

Important Note

When extending keyboard and mouse functionality through the Micro-USB B port, ensure the cable supports data transfer. U050-006 will support this application.

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.

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

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 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.

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.

- Mounting hardware
- Owner's manual

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)

Other Tripp Lite product used to extend range	B127A-010-H or B127A-110-BH
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 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
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)

Side B - Connector 5	(2) USB A (FEMALE)
Daisy-chainable / Cascadable	No

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
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
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
Unit Dimensions (hwd / in.)	2.120 x 4.530 x 2.460
Mounting Details	Wallmount

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	0-85% 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

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