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

MODEL NUMBER: **B127A-1A1-BDBH**

Transmitter/receiver kit extends a 4K signal via Cat6 cable from a DisplayPort source to an HDMI display up to 230 ft. away.

Features

DisplayPort to HDMI Extender Kit Ideal for Digital Signage in Schools 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.
The B127A-1A1-BDBH extends 4K signals from a DisplayPort 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.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio and 4:4:4 Color
The B127A-1A1-BDBH 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. 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
After you connect the included external power supply to either the transmitter or receiver, Power over Cable (PoC) technology powers the opposite unit over Cat6 cable. 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 one unit where needed without worrying about finding a nearby AC outlet.**Dip Switch Extends 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

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Power over Cable (PoC) technology provides power to either end via Cat6 cable
- Transmitter's local port shows you the 4K image being displayed at the other end
- DIP switch selection allows bi-directional IR or USB function for controlling the source
- 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 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
- Stream Netflix, Amazon Prime, Hulu and other home entertainment channels to your HDTV or projector

System Requirements

- Source device with DisplayPort output (Blu-ray player, PC, 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.

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.

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 DisplayPort cable (such as P580-Series). Then connect the receiver to the display with a user-supplied HDMI cable (such as P568- or P569-Series). Finally, connect the two units with user-supplied Cat6 patch cable (such as N202-Series).

TAA-Compliant for GSA Schedule Purchases
The B127A-1A1-BDBH is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

and Australia)
- Mounting hardware
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332258656
Product Type	Extender Kit
Technology	Cat5/5e; Cat6; HDMI; POC

VIDEO	
Video Input	DISPLAYPORT (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	DISPLAYPORT (FEMALE); HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2; DisplayPort 1.4
Max Supported Video Resolution	3840 x 2160 (4K @ 60Hz)
Max. Distance (Between any 2 Units)	230 ft.; 400 ft. with B127A-010-H signal booster
Max Number of Ports (Entire Chain)	1
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	DisplayPort
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 True Color
HDR Support	No
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70

AUDIO

Audio Ports	DISPLAYPORT (FEMALE)
Audio Ports Details	Supports pass-through of audio formats including LPCM2.0/5.1/7.1
Audio Input	Displayport
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
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
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
Receiver Power Source	AC Adapter (Included); Power Over Cable

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	
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 / cm.)	2.7 x 11.5 x 6.24
Receiver Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Receiver Unit Weight (kg)	0.4536
Receiver Unit Weight (lbs.)	1
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 Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Transmitter Unit Weight (kg)	0.4536
Transmitter Unit Weight (lbs.)	1
Unit Packaging Type	Box

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	DISPLAYPORT (FEMALE)
Side A - Connector 2	HDMI (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side A - Connector 4	(2) 3.5MM (FEMALE); 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)
Daisy-chainable / Cascadable	No

FEATURES & SPECIFICATIONS	
USB Specification	USB 1.1 (up to 12 Mbps)
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Built-In Equalizer	No
Displayport Specification	1.2a
HDCP Specification	1.4; 2.2
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