2-Port HDMI over Cat6 Extender Kit, Transmitter/Receiver - 4K 60 Hz, HDR, 4:4:4, PoC, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127A-2A1-BHBH**

HDMI extender kit with transmitter and receiver extends a 4K signal via Cat6 cable to 2 HDMI displays up to 230 ft. away.

Features

Dual-Output 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….or More
The B127A-2A1-BHBH extends 4K signals from an HDMI source device to two HDMI displays up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. By adding a B127A-010-H HDMI repeater (sold separately) to the application, you can extend the signal up to 400 feet (121.9 meters).

Transmits Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127A-2A1-BHBH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified by HDMI 2.0, with 7.1-channel surround sound 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.

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 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 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 work right out of the package 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

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
- 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

- 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(s) 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)
- Mounting hardware
- Owner's manual

source with a user-supplied HDMI cable (such as P568- or P569-Series). Then, connect the receiver to the displays with user-supplied HDMI cables. Finally, connect the two units with user-supplied Cat6 cable (such as N202-Series).

TAA-Compliant for GSA Schedule Purchases
The B127A-2A1-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	037332264091
Product Type	Extender Kit
Technology	Cat5/5e; Cat6; HDMI; POC; Toslink/SPDIF

VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Video Ports	(3) HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
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
Maximum Distance with Booster	400
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	2
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	2
Signal Range (ft)	230
Signal Range (m)	70
Range Extension with Booster	Yes
Range Extension using other Tripp Lite product	400 ft.

Recommended Cabling	24 AWG Solid Wire Cat6 Cabling (Tripp Lite N202-Series)
Extended Mode	Yes
Extended Mode Details	x2 HDMI outputs (4K/60 Hz)First output is extended, the second will always be mirrored
Mirror Mode	Yes
Mirror Mode Details	x2 HDMI outputs (4K/60 Hz)First output is extended, the second will always be mirrored
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
Maximum Signal Range Details	Dual output 4K/60 Hz up to 230 ft. Can reach up to 400 ft. per output with B127A-010-H signal booster used between transmitter and receiver.

AUDIO

Audio Ports	HDMI (FEMALE); TOSLINK (FEMALE)
Audio Ports Details	x2 HDMI and x1 TOSLINK Ports support 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

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.)	4.53
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	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Source	Transmitter (Included) and Receiver (Included but Optional)
Power Over Cable (PoC) Support	Yes

Receiver Power Source	AC Adapter (Included); Power Over Cable

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	Transmitter: (x1) Power = Green (Connected to power supply/PoC from Receiver), (x1) RJ45 Port = Green (Power), Orange (data being sent to receiver); Receiver: (x1) Power = Green (Connected to power supply/PoC from Transmitter), (x1) RJ45 Port = Green (Power), Orange (Data being sent to receiver)

PHYSICAL

Color	Black
Material of Construction	Metal
Included Mounting Accessories	(2) Mounting Brackets
Number of Displays	2
Form Factor/Mounting Options	Box; Rackmount; 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 (lbs.)	1
Shipping Dimensions (hwd / in.)	2.16 x 10.24 x 6.46
Shipping Dimensions (hwd / cm)	5.49 x 26.01 x 16.41
Shipping Weight (lbs.)	1.23
Shipping Weight (kg)	0.56
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 (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.; 400 ft. (with B127A-010-H signal booster)
EDID Compatible	Yes
IR Remote Extension Support	No

RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
Latency	Zero Latency
USB Extension Support	No

CONNECTIONS

Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	(2) HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	TOSLINK (FEMALE)
Daisy-chainable / Cascadable	No

FEATURES & SPECIFICATIONS

10/100 Ethernet Extension Support	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
Driver Required	No
Recommended Category Cable	24AWG Cat6
DIN Mountable	No

STANDARDS & COMPLIANCE

External Power Supply Certifications	CCC; CE; 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