

# 4-Port HDMI over Cat6 Extender Kit, Splitter/3x Pigtail Receivers - 4K 60 Hz, HDR, 4:4:4, PoC, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127A-004-BHPH3**



Splits and extends a 4K audio/video signal 230 ft. via Cat6 cable to 4 HDMI displays.

## Features

### HDMI Quad-Output Extender Kit Ideal for Digital Signage in Schools and Workplaces

This 4K splitter/receivers combo 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 included splitter connects to three included pigtail receivers (plus one more optional B127A-Series receiver, sold separately) to extend 4K signals from an HDMI source to four HDMI displays up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. By adding B127A-010-H signal repeaters (sold separately) to the application, you can extend the signal to each connected display up to 400 feet (121.9 meters).

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

The B127A-004-BHPH3 supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with true uncompressed 7.1-channel digital audio and Dolby TrueHD. 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. Advanced 4:4:4 chroma subsampling is ideal for top-level PC gaming or using your HDTV as a PC monitor.

### Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions

Say you have a brand new 4K/60 Hz HDTV in one room, but want to also connect your Blu-ray player or satellite box to an older 1080p TV in another room. The B127A-004-BHPH3 is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching, allowing each connected monitor to display video at its maximum resolution.

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

To monitor the video signal being extended to the receivers, connect a 4K display to the splitter's local HDMI port with the included 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 Receiver Power to Avoid Bulky External Power Bricks

Power over Cable (PoC) technology powers the connected receivers over Cat6 cable. LEDs indicate

## 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 repeaters to extend signal to 400 ft.
- Power over Cable (PoC) technology provides power to receivers 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 displays are placed without the hassle of finding extra AC outlets for the receivers
- 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)
- B127A-Series receivers, such as B127A-1A0-FH, B127A-2A0-FH, B127A-1P0-PH and/or B127A-1A0-BH

## Package Includes

- B127A-004-BH 4-Port HDMI over Cat6 Splitter
- (3) B127A-1P0-PH 1-Port HDMI over Cat6 Receivers
- External power supply (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, U.K., Europe, Australia)
- HDMI cable (M/M), 1 ft. (0.3 m)
- Mounting hardware
- Owner's manual



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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 receivers where needed without worrying about finding a nearby AC outlet.

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

The splitter and receivers work right out of the package with no software required. Mounting hardware is included for installing the splitter on a wall, pole or 19-inch rack. Connect the splitter to an HDMI source device with a user-supplied HDMI cable (such as P568- or P569-Series). The receivers' pigtail HDMI connectors plug directly into a 4K display.

**TAA-Compliant for GSA Schedule Purchases**

The B127A-004-BHPH3 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	037332263360
Product Type	Extender Kit
Technology	Cat5/5e; Cat6; HDMI; POC
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	4
Video Ports	HDMI (FEMALE); (4) RJ45 (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 2.2
Supported Resolutions	3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 @ 60 Hz
Max. Distance (Between any 2 Units)	230 ft.
Max 720P Range (ft)	230
Max 1080P Range (ft)	230
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) 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	4
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	3
Signal Range (ft)	230
Range Extension using other Tripp Lite product	170 ft.
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Extended Mode	Yes
Extended Mode Details	x4 RJ45 outputs support 4K/60 Hz video. Only the first connected receiver will support extended mode. The remaining 3 outputs support mirror mode.
Mirror Mode	Yes
Mirror Mode Details	Only the first connected receiver will support extended mode. The remaining 3 outputs support mirror mode.
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
<b>AUDIO</b>	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	True uncompressed 7.1 Channel digital audio and supports DTS-HD, Dolby-TrueHD digital audio
<b>INPUT</b>	
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
Built-In Cable Length (ft.)	1
Built-In Cable Length (m)	0.3



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Built-In Cable Length (in.)	12
Bus Powered	No
<b>POWER</b>	
Power Source Type	AC Adapter
Power Over Cable (PoC) Support	Yes
Receiver Power Source	Power Over Cable
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	Splitter Unit: x4 RJ45 Ports (x4 Green = Power, x4 Orange = Transmitting video to connected receiver), Power (x1 Green = Powered by external power supply), Input (x1 Orange = Connected to video source), Local (x1 Orange = Display connected to local HDMI port), UTP (x1 Orange = Receiver unit(s) connected and receiving data); x3 Receiver Units: x3 RJ45 Ports Each (x3 Green = Power, x3 Orange = Receiving video from splitter unit)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal, Plastic
Included Mounting Accessories	Mounting Brackets for TX
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	1.86 x 4.7 x 7.5
Receiver Unit Dimensions (hwd / in.)	0.732 x 1.85 x 2.953
Receiver Unit Weight (kg)	0.65
Receiver Unit Weight (lbs.)	1.43
Shipping Dimensions (hwd / in.)	4.17 x 13.70 x 6.30
Shipping Dimensions (hwd / cm)	10.59 x 34.80 x 16.00
Shipping Weight (lbs.)	2.27
Shipping Weight (kg)	1.03
Transmitter Unit Dimensions (hwd / cm.)	2.97 x 23.5 x 10
Transmitter Unit Dimensions (hwd / in.)	1.169 x 9.252 x 3.937
Transmitter Unit Weight (kg)	0.65
Transmitter Unit Weight (lbs.)	1.43
Unit Packaging Type	Box
<b>ENVIRONMENTAL</b>	
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

<b>COMMUNICATIONS</b>	
Max 1024 x 768 Range (ft)	230
Signal Range (ft.)	230
Signal Range (m)	70
Max 480P Range (ft)	230
Transmission Distance	230 ft.
Max 1440 x 900 Range (ft)	230
Max 1080i Range (ft)	230
Max 4K UHD Range (ft)	230
Max 480i Range (ft)	230
Max 640 x 480 Range (ft)	230
Max 800 x 600 Range (ft)	230
Max 1600 x 1200 Range (ft)	230
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
Latency	Zero Latency
USB Extension Support	No
<b>CONNECTIONS</b>	
Number of Ports	4
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	(4) RJ45 (FEMALE)
Side B - Connector 1	(3) RJ45 (FEMALE)
Side B - Connector 2	(3) HDMI (MALE)
Daisy-chainable / Cascadable	No
<b>FEATURES &amp; SPECIFICATIONS</b>	
All-in-One Kit	Yes
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	24AWG Cat6
DIN Mountable	No
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	CCC; CE; FCC; GS; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA); UKCA
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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