2-Port HDMI over Cat6 Splitter - 4K 60 Hz, HDR, 4:4:4, PoC, HDCP 2.2, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127A-002-BH**








Works with Tripp Lite B127A-Series receivers to extend a 4K audio/video signal 230 ft. via Cat6 cable to 2 HDMI displays.

Features

HDMI Dual-Output Splitter Ideal for Digital Signage in Schools and Workplaces
This 4K transmitter/splitter 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 B127A-002-BH connects to B127A-Series receivers to extend 4K signals from an HDMI source to two HDMI displays up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. By adding B127A-010-H signal repeaters or B127A-110-BH transceivers (each sold separately) to the application, you can extend the signal to each connected display up to 400 feet (121.9 meters) or 460 feet (140.2 meters), respectively.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127A-002-BH 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. This splitter also supports 4:4:4 chroma subsampling 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-002-BH is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching, allowing each connected monitor to display video at its maximum resolution.

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 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 works right out of the package with no software required. Mounting hardware is included for

Highlights

Requires connection to B127A-Series remote receivers (sold separately)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 accuracyPower over Cable (PoC) technology provides power to receivers via Cat6 cableCompliant 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 receivers are placed, with the freedom to move and relocate them 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)
- B127A-Series receivers, such as B127A-1A0-FH, B127A-2A0-FH, B127A-1P0-PH and/or B127A-1A0-BH

Package Includes

- B127A-002-BH 2-Port HDMI over Cat6 Splitter
- External power supply (Input: 100-240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, U.K., Europe, Australia)
- Mounting hardware
- Owner's manual

installing it 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). Then, connect the splitter to B127A-Series remote receivers with user-supplied Cat6 cable (such as N202-Series).

TAA-Compliant for GSA Schedule Purchases
The B127A-002-BH 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	037332263704
Product Type	Splitter
Technology	Cat6; HDMI; POC
Host Connector	HDMI (FEMALE)
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	(2) RJ45 (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
Resolutions Supported	3840 x 2160 (4K x 2K) @ 60 Hz
Max Supported Video Resolution	3840 x 2160 (4K x 2K) @ 60Hz
Max. Distance (Between any 2 Units)	230 ft. (70.1 m)
Max 720P Range (ft)	230
Max 1080P Range (ft)	230
Max 1920 x 1080 (1080p) 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	2
Receiver - Number of Video Outputs	2
Signal Range (ft)	230

Signal Range (m)	70
Range Extension using other Tripp Lite product	230 or 400 ft.
Extended Mode	Yes
Extended Mode Details	x2 RJ45 Ports (4K/60 Hz). When using a laptop/Macbook only the first display will be extended. The remaining display will be mirrored.
Mirror Mode	Yes
Mirror Mode Details	x2 RJ45 Ports (4K/60 Hz)When using a laptop/Macbook only the first display will be extended. The remaining display will be mirrored.When using a DVR/DVD/Blu-Ray player both displays will be mirrored.
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 Ports	(2) RJ45 (FEMALE)
Audio Ports Details	Outputs support passthrough audio formats including LPCM2.0/5.1/7.1
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	True uncompressed 7.1 Channel digital audio
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
Power Source	Transmitter end only (Included)
Power Over Cable (PoC) Support	Yes

Receiver Power Source	Power Over Cable
CONNECTIONS	
Number of Ports	2
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	(2) RJ45 (FEMALE)
Input x Output	1 x 2
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power (1x Green) = Splitter unit is receiving power from external power supply; RJ45 Ports (x2 Green) = Port is connected to a receiver and powering the receiver unit, (x2 Orange) = Port is transmitting video to connected receiver
PHYSICAL	
Color	Black
Material of Construction	Metal
Cable Length (ft.)	0
Cable Length (m)	0.00
Included Mounting Accessories	(2) Brackets, (4) Screws
Number of Displays	2
Form Factor/Mounting Options	Box
Rackmountable	Yes
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.)	1.23
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.)	0.55
Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Unit Dimensions (hwd / cm)	2.7 x 11.5 x 6.24
Unit Packaging Type	Box
Unit Weight (lbs.)	0.55
Unit Weight (kg)	0.25
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	
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	No
Latency	Zero Latency
FEATURES & SPECIFICATIONS	
All-in-One Kit	No
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	Yes
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; FCC; 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

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