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

MODEL NUMBER: **B127A-2A0-BH**

Works with a Tripp Lite B127A-Series transmitter, switch or splitter to extend 4K video 230 ft. to 2 HDMI displays via Cat6 cable.

Features

HDMI Dual-Output Receiver Ideal for Digital Signage in Schools and Workplaces
This 4K receiver 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-2A0-BH connects to a B127A-Series transmitter, switch or splitter 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 a B127A-010-H signal repeater (sold separately) to the application, you can extend the signal up to 400 feet (121.9 meters) per display.

Supports Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127A-2A0-BH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with 7.1-channel surround sound audio via TOSLINK. 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 receiver 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 displays.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks
Power over Cable (PoC) technology powers the B127A-2A0-BH 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 receiver where needed without worrying about finding a nearby AC outlet.

Plug-and-Play Operation for Quick Setup and Immediate Use
The receiver works right out of the package with no software required. Mounting hardware is included for installing it on a wall, pole or 19-inch rack. Connect the receiver to a transmitter, switch or splitter with user-supplied Cat6 cable (such as N202-Series). Connect to two 4K displays with user-supplied HDMI cables (such as P568- or P569-Series).

TAA-Compliant for GSA Schedule Purchases

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 repeater to extend signal to 400 ft.
- Power over Cable (PoC) technology provides power to the receiver 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 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

System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- Display device(s) with HDMI input (HDTV, projector, monitor)
- B127A-Series transmitter, switch or splitter

Package Includes

- B127A-2A0-BH 2-Port HDMI over Cat6 Receiver
- Mounting hardware
- Owner's manual

The B127A-2A0-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	037332264053
Product Type	Receiver
Technology	Cat5/5e; Cat6; HDMI; POC; Toslink/SPDIF

VIDEO	
Video Input	RJ45 (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	(2) HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 2.2
Resolutions Supported	3840 x 2160 (4K x 2K) @ 60 Hz
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
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	2
Signal Range (ft)	230
Signal Range (m)	70
Range Extension using other Tripp Lite product	400 ft.
Recommended Cabling	Solid Wire 24AWG Cat6 Cabling (Tripp Lite N202-Series)
Extended Mode	Yes
Extended Mode Details	x2 HDMI Ports (4K/60 Hz)
Mirror Mode	Yes
Mirror Mode Details	x2 HDMI Ports (4K/60 Hz)

Other Tripp Lite product used to extend range	B127A-010-H Signal Booster (x1 per output)
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) HDMI (FEMALE); TOSLINK (FEMALE)
Audio Ports Details	Supports pass-through audio formats including LPCM 2.0/5.1/7.1
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Supports pass-through of Audio format includes LPCM2.0/5.1/7.1; TOSLINK Port

INPUT	
Bus Powered	No

POWER	
Power Source	Transmitter end only (Optional)
Power Over Cable (PoC) Support	Yes
Receiver Power Source	Power Over Cable

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power (x1) = Green; RJ45 Port: (x2) Green = Power, (x2) Orange = Video received from source

PHYSICAL	
Color	Black
Material of Construction	Metal
Included Mounting Accessories	Yes
Number of Displays	2
Form Factor/Mounting Options	Box
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.17 x 8.43 x 6.46
Shipping Dimensions (hwd / cm)	5.51 x 21.41 x 16.41
Shipping Weight (lbs.)	1.23
Shipping Weight (kg)	0.56

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.)	1
Unit Weight (kg)	0.45

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	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	RJ45 (FEMALE)
Side B - Connector 1	TOSLINK (FEMALE)
Daisy-chainable / Cascadable	No

FEATURES & SPECIFICATIONS

All-in-One Kit	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	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA); UKCA

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty