

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

MODEL NUMBER: **B127A-1A0-FH**



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

### Features

#### HDMI Extender 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-1A0-FH connects to a Tripp Lite B127A-Series transmitter, switch or splitter to extend 4K signals from an HDMI source to an HDMI display up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. By adding a Tripp Lite B127A-010-H signal repeater (sold separately) to the application, you can extend the signal up to 400 feet (121.9 meters).

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

The B127A-1A0-FH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz 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 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 display.

#### Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks

Power over Cable (PoC) technology powers the B127A-1A0-FH over Cat6 cable. An LED indicates when the receiver and transmitter are connected. 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 single-gang metal wall-plate receiver works right out of the package with no software required and all mounting screws included. Connect the receiver to a transmitter, switch or splitter with user-supplied Cat6 cable (such as Tripp Lite's N202-Series). Connect to a 4K display with a user-supplied HDMI cable (such as Tripp Lite's P568- or P569-Series).

### 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 with HDMI input (HDTV, projector, monitor)
- Tripp Lite B127A-Series HDMI transmitter, switch or splitter

### Package Includes

- B127A-1A0-FH 1-Port HDMI over Cat6 Receiver
- Mounting screws
- Owner's manual



#### TAA-Compliant for GSA Schedule Purchases

The B127A-1A0-FH 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	037332264145
Product Type	Receiver
Technology	Cat5/5e; Cat6; HDMI; POC
Host Connector	HDMI (FEMALE)
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	1
Video Ports	HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 2.2
Resolutions Supported	3840 x 2160 (4K x 2K) @ 60 Hz
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
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	1
Signal Range (ft)	230
Signal Range (m)	70
Range Extension using other Tripp Lite product	170ft
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Extended Mode	Yes
Extended Mode Details	x1 HDMI (4K/60 Hz)



Mirror Mode	Yes
Mirror Mode Details	x1 HDMI (4K/60 Hz)
Other Tripp Lite product used to extend range	B127A-010-H
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 Ports	HDMI (FEMALE)
Audio Ports Details	HDMI outputs support passthrough audio formats including LPCM2.0/5.1/7.1
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Supports pass-through of Audio format includes LPCM2.0/5.1/7.1
<b>INPUT</b>	
Bus Powered	No
<b>POWER</b>	
Power Source	Transmitter end only (Optional)
Power Over Cable (PoC) Support	Yes
Receiver Power Source	AC Adapter (Optional); Power Over Cable
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	(1) Data = Green (Connected to a transmitter/splitter/switch)
<b>PHYSICAL</b>	
Material of Construction	Metal
Color	White
Included Mounting Accessories	Yes
Number of Displays	1
Form Factor/Mounting Options	Wallplate
Rackmountable	No
Shipping Dimensions (hwd / cm)	5.51 x 21.41 x 16.41



Shipping Dimensions (hwd / in.)	2.17 x 8.43 x 6.46
Shipping Weight (kg)	0.56
Shipping Weight (lbs.)	1.23
Unit Dimensions (hwd / in.)	4.528 x 2.756 x 1.331
Unit Dimensions (hwd / cm)	11.5 x 7 x 3.38
Unit Packaging Type	Box
Unit Weight (lbs.)	1
Unit Weight (kg)	0.45
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32 to 104F (0 to 40C)
Storage Temperature Range	5 to 122F (-15 to 50C)
Relative Humidity	0 to 85% RH, Non Condensing
<b>COMMUNICATIONS</b>	
Signal Range (ft.)	230
Signal Range (m)	70
Transmission Distance	230 ft., 400 ft. (with B127A-010-H)
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
Latency	0
USB Extension Support	No
<b>CONNECTIONS</b>	
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	24AWG Cat6
All-in-One Kit	No
DIN Mountable	No
Integrated/Removable Cable	No



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Built-In Equalizer	Yes
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA)
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

© 2022 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>