



Tripp Lite
1111 W. 35th Street
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HDMI over Cat6 Extender Kit, Wallplate, 4K 60Hz, HDR, Dual Output, IR, PoC, 230 ft., TAA

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



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

Features

HDMI Extender Kit Ideal for Digital Signage in Schools, Restaurants and Lecture Halls

This complete wall-plate-style transmitter and dual-output 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 displays are farther apart than conventional A/V cables allow. Both the transmitter and receiver have a single-gang metal wall plate design with a metal back cover and blend perfectly into the room décor.

Extends a 4K A/V Transmission up to 230 ft....or More

The B127A-2A1-FHFH extends 4K signals from an HDMI source device to two HDMI displays up to 230 feet away via user-supplied Cat6 cabling. Bi-directional IR remote control lets you operate the source from the display end of the installation. By adding a Tripp Lite B127A-010-H HDMI repeater (sold separately) to the application, you can extend the signal up to 400 feet. **Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions** Say you have a brand new 4K (at 60 Hz) HDTV in the living room, but want to also connect your Blu-ray player or satellite box to the older 1080p TV in the bedroom. The B127A-2A1-FHFH is backward compatible with 4K (at 30 Hz) and 1080p (at 60 Hz) resolutions. This allows each connected television to display video at its maximum resolution.

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

The B127A-2A1-FHFH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified by HDMI 2.0, with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital 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. Built-in equalization automatically fine-tunes the image quality at the remote display.

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

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Power over Cable (PoC) technology provides power to either end via Cat6 cable
- Multi-resolution output allows combination of different display types (ex. 1080p or 4K)
- 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 transmitter or receiver is installed, with the freedom to install 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)

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)
- IR-In cable
- IR-Out cable
- Owner's manual



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After you connect the included external power supply to either the transmitter or receiver, Power over Cable (PoC) technology powers the opposite unit over Cat6 cable. LEDs on both the transmitter and receiver will light up to indicate 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 one 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 units work right out of the box with no software required. Connect the transmitter to the source with a user-supplied HDMI cable (such as Tripp Lite's 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 patch cable (such as Tripp Lite N202-Series).

TAA-Compliant for GSA Schedule Purchases

The B127A-2A1-FHFH 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	037332261038
Product Type	Extender Kit
Technology	HDMI; Cat5/5e; Cat6; POC; IR
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	3
Video Ports	(3) HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
Max Supported Video Resolution	3840x2160 (4K @ 60Hz)
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
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI



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Receiver - Number of Video Outputs	2
Range Extension using other Tripp Lite product	170ft or 230ft
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Extended Mode	Yes
Extended Mode Details	x2 HDMI (4K/60 Hz)
Mirror Mode	Yes
Mirror Mode Details	x2 HDMI (4K/60 Hz)
Other Tripp Lite product used to extend range	B127A-010-H or B127A-110-BH
Max Supported Color Depth	36-bit True 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)
Audio Ports Details	HDMI outputs support Pass-through Audio formats including LPCM2.0/5.1/7.1
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Pass-through audio (LPCM 2.0/5.1/7.1)
INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
External Power Supply Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
Bus Powered	No
POWER	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter or Receiver (Included)
Power Over Cable (PoC) Support	Yes
Receiver Power Source	AC Adapter (Included); Power Over Cable
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 0.6A



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External Power Supply Output Specs (V / A)	24V/1A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.38
External Power Supply Certifications	CE; FCC; CCC; GS; TUV; UL; cUL
USB Power Delivery (PD) Charging Support	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	TX: Orange (Data), RX: Green (Data)
PHYSICAL	
Color	White
Material of Construction	Metal
Included Mounting Accessories	(4) Screws
Number of Displays	3
Form Factor/Mounting Options	Wallplate
Receiver Unit Dimensions (hwd / cm.)	11.5 x 7 x 3.4
Receiver Unit Dimensions (hwd / in.)	4.53 x 2.76 x 1.33
Receiver Unit Weight (kg)	0.4536
Receiver Unit Weight (lbs.)	1
Transmitter Unit Dimensions (hwd / cm.)	11.5 x 7 x 3.4
Transmitter Unit Dimensions (hwd / in.)	4.53 x 2.76 x 1.33
Transmitter Unit Weight (kg)	0.4536
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



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Transmission Distance	230 ft. (70m) over Cat6; 400 ft. (120 m) with B127A-010-H signal booster
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
Latency	Zero-Latency
USB Extension Support	No
CONNECTIONS	
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side A - Connector 3	(2) 3.5MM (FEMALE)
Side B - Connector 1	(2) HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	(2) 3.5MM (FEMALE)
FEATURES & SPECIFICATIONS	
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	Cat6
All-in-One Kit	Yes
10/100 Ethernet Extension Support	No
DIN Mountable	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Built-In Equalizer	Yes
STANDARDS & COMPLIANCE	
Certifications	CE, FCC, REACH, RoHS
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty



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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>