HDMI over Cat6 Extender Kit with Power over Cable - 4K 60 Hz, 4:4:4, 328 ft. (100 m), TAA

MODEL NUMBER: **B127E-1A1-HH**

Transmitter/receiver kit extends a 4K HDMI audio/video signal via Cat6 cable to a projector, monitor or HDTV up to 328 ft. away.

Features

HDMI Extender Ideal for Digital Signage or Displaying Video in Schools or Trade Show Booths This complete transmitter and receiver system is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings and other digital signage applications where the source and display are farther apart than conventional A/V cables allow. The B127E-1A1-HH extends 4K video and stereo audio signals from an HDMI source device to an HDMI display up to 328 feet (100 meters) away via user-supplied Cat6 cabling.

Transmits Crystal-Clear 4K HDMI Video with Multi-Channel Audio and 4:4:4 Color The B127-1A1-HH supports Ultra HD video resolutions up to 4K x 2K (3840 x 2160) at 60 Hz, as specified in HDMI 2.0, with full, rich 7.1-channel digital audio. HDCP 2.2 compliance allows you to stream iTunes 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. While the receiver features built-in equalization, which automatically fine-tunes the image quality at the remote display with no time-consuming manual fiddling needed. **Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions**Monitor your extended content locally by connecting an HDMI TV or display to the transmitter's local HDMI port. The B127E-1A1-HH supports multi-resolution, giving you the flexibility of connecting a 1080p or 4K at 30 Hz local display without affecting the extended 4K at 60 Hz signal.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks Built-in Power over Cable (PoC) technology powers the low-profile receiver over Cat6 cable. Green and orange 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 the receiver away from an AC outlet.

Start, Stop, Fast Forward, Pause, Rewind Video from More Than 300 ft. Away Use the included bi-directional IR cables or the included RS-232 adapters to control video and audio from the HDMI display's location. You can also connect a keyboard and mouse to the receiver's USB port to operate the video source device from up to 328 feet away from the transmitter.

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. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Connect the transmitter to the source and the receiver to the display with user-supplied HDMI cables (such as P568- or P569-Series). Then, connect the two units using Cat6 patch cable (such as N202-Series cable). Connect an optional display to the transmitter's local HDMI

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Transmitter's local HDMI port allows you to see the remote image being displayed
- Supports multi-resolution output to allow for combination of different display types
- USB, IR and RS-232 ports let you control the source device

Applications

- Connect a media server, Blu-ray player, cable/satellite box, Roku, gaming system or other home theater component to a large-screen 4K television or projector located in a different room
- Upgrade the video quality of your trade show presentation or digital signage installation in a commercial or educational setting to 4K x 2K
- Set up a digital signage display in a location with no power outlets

System Requirements

- Source device with HDMI output (media server, laptop)
- Display device with HDMI input (HDTV, projector, monitor)

Package Includes

- Transmitter
- Receiver
- IR-OUT cable
- IR-IN cable
- (2) RS-232 adapters
- External power supply (Input: 100–240V, 50/60 Hz, 0.6A; Output: 24V 1A)
- (4) International plug adapters (North America, Europe, U.K., Australia)
- Mounting hardware
- Owner’s manual

output to monitor the image connected to the receiver up to 328 feet away.

Specifications

OVERVIEW	
UPC Code	037332239136
Product Type	Extender Kit
Technology	HDMI; IR; Cat5/5e; Cat6; POC
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Max Supported Video Resolution	3840 x 2160 (4K @ 60Hz)
Max 1280 x 720 (720p) Range (ft)	200
Max 1920 x 1080 (1080p) Range (ft)	200
Max 1920 x 1200 Range (ft)	150
Max 2560 x 1600 Range (ft)	150
Max 3840 x 2160 (4K@30Hz) Range (ft)	150
Max 3840 x 2160 (4K@60Hz) Range (ft)	125
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Recommended Cabling	N202-Series Cat6 Cables
Max Supported Color Depth	24-bit True Color
HDR Support	No
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	328
Maximum Signal Range (m)	100
AUDIO	
Audio Input	HDMI
Audio Output	HDMI

Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
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.)	4.5
AC Power Adapter Cord Length (m)	1.37
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 end only (Included)
Power Over Cable (PoC) Support	Yes
CONNECTIONS	
Side A - Connector 1	(2) HDMI (FEMALE); RJ45 (FEMALE)
Side A - Connector 2	MICRO-USB B (FEMALE)
Side B - Connector 1	HDMI (FEMALE); RJ45 (FEMALE)
Side B - Connector 2	(2) USB A (FEMALE)
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	TX: Power (Connected DC Power Supply), Link (TX & RX Connection), TX (Source Signal), Local (Local Monitor); RX: Power (PoE), Link (TX & RX Connection), RX (HDMI Output)
PHYSICAL	
Color	Black
Material of Construction	Metal
Cable Jacket Color	Black
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	5.04 x 3.94 x 1.17
Receiver Unit Weight (lbs.)	0.77
Shipping Dimensions (hwd / in.)	3.27 x 13.54 x 5.90
Shipping Dimensions (hwd / cm)	8.31 x 34.39 x 14.99

Shipping Weight (lbs.)	2.84
Shipping Weight (kg)	1.29
Transmitter Unit Dimensions (hwd / in.)	5.04 x 3.94 x 1.17
Transmitter Unit Weight (lbs.)	0.77
Unit Dimensions (hwd / in.)	2.120 x 4.530 x 2.460
Unit Packaging Type	Box
Housing	Metal
Mounting Details	Wallmount
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	0-85% non-condensing
COMMUNICATIONS	
Signal Range (ft.)	328
Signal Range (m)	100
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	Yes
FEATURES & SPECIFICATIONS	
USB Specification	USB 1.1 (up to 12 Mbps)
10/100 Ethernet Extension Support	No
Built-In Equalizer	Yes
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	N202-Series Cat6 Cables
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)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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