DisplayPort to HDMI over Cat6 Extender Kit, Wall Plate, 4K 60 Hz, 4:4:4, PoC, HDCP 2.2, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127A-1A1-FDFH**

Extender kit with transmitter and receiver extends a 4K DisplayPort signal via Cat6 cable to an HDMI display up to 230 ft. away.

Features

Cat6 Extender Kit Ideal for Digital Signage in Schools, Restaurants and Lecture Halls
This complete wall-plate-style transmitter and 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 display 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 Even Farther
The B127A-1A1-FDFH extends 4K signals from a DisplayPort source device 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 HDMI repeater (sold separately) to the application, you can extend the signal up to 400 feet (121.9 meters).

Transmits Crystal-Clear 4K Video with Multi-Channel Audio and 4:4:4 Color
The B127A-1A1-FDFH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified in HDMI 2.0, with pass-through LPCM 2.0/5.1/7.1 audio. 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.

Built-In PoC Technology Provides Power to Avoid Bulky External Power Bricks
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 install the application where best needed without worrying about finding a nearby AC outlet.

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.

Highlights

- Supports 4K @ 60 Hz video resolutions (4:4:4) as specified in HDMI 2.0
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Transmitter's local port shows you the 4K image being displayed at the other end
- Stretches 230 ft. signal to 400 ft. with addition of optional B127A-010-H repeater
- 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 DisplayPort output (computer, media server, laptop)
- Display device 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)
- Mounting hardware
- Owner's manual

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 DisplayPort cable (such as Tripp Lite's P580-Series). Then, connect the receiver to the display with a user-supplied HDMI cable (such as Tripp Lite's P569-XXX-CERT or P568-XXX-2A). Finally, connect the two units with user-supplied Cat6 patch cable (such as Tripp Lite N202-Series). Mounting hardware is included for both units.

TAA-Compliant for GSA Schedule Purchases
The B127A-1A1-FDFH 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	037332263957
Product Type	Extender Kit
Technology	Cat5/5e; Cat6; DisplayPort; HDMI; POC

VIDEO	
Video Input	DISPLAYPORT (FEMALE)
Video Output	HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	(1) DISPLAYPORT (FEMALE); (1) HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2
Resolutions Supported	3840 x 2160 (4K x 2K) @ 60 Hz (both Local HDMI port and HDMI Output)
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
Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	2
Transmitter - Local Display Output	HDMI
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	170 ft or 230 ft
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Extended Mode	Yes
Extended Mode Details	x1 HDMI Port (4K/60 Hz)
Mirror Mode	Yes
Mirror Mode Details	x1 HDMI Port (4K/60 Hz)
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	No
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70

AUDIO

Audio Ports	HDMI (FEMALE)
Audio Ports Details	HDMI outputs support passthrough audio formats including LPCM2.0/5.1/7.1
Audio Input	Displayport
Audio Output	HDMI
Audio Specification	Pass-through Audio format: LPCM2.0/5.1/7.1

INPUT

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	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
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
External Power Supply Output Specs (V / A)	24V/1A

External Power Supply Cord Length (ft.)	4.53
External Power Supply Cord Length (m.)	1.38
External Power Supply Certifications	CCC; CE; FCC; GS; TUV; UL; cUL

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Transmitter: (1) Data = Orange (Connected to video source and RJ45 port in use); Receiver: (1) Data = Green (Receiver RJ45 port connected to transmitter, flashes when data is being transmitted)

PHYSICAL	
Color	White
Material of Construction	Metal
Included Mounting Accessories	(4) Screws
Number of Displays	1
Form Factor/Mounting Options	Wallplate
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	11.5 x 7 x 3.382
Receiver Unit Dimensions (hwd / in.)	4.53 x 2.76 x 1.33
Receiver Unit Weight (kg)	0.65
Receiver Unit Weight (lbs.)	1
Transmitter Unit Dimensions (hwd / cm.)	11.5 x 7 x 3.382
Transmitter Unit Dimensions (hwd / in.)	4.53 x 2.76 x 2.02
Transmitter Unit Weight (kg)	0.65
Transmitter Unit Weight (lbs.)	1
Unit Packaging Type	Box
Unit Weight (kg)	0.45
Unit Weight (lbs.)	1

ENVIRONMENTAL	
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

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	Yes
Latency	0
USB Extension Support	No

CONNECTIONS

Side A - Connector 1	DISPLAYPORT (FEMALE)
Side A - Connector 2	HDMI (FEMALE)
Side B - Connector 1	HDMI (FEMALE)

FEATURES & SPECIFICATIONS

Displayport Specification	1.2a
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	24AWG Cat6
All-in-One Kit	Yes
DIN Mountable	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	Yes
Built-In Equalizer	Yes

STANDARDS & COMPLIANCE

Certifications	CE, FCC, RoHS, REACH

WARRANTY

Product Warranty Period (Worldwide)	1-year limited warranty