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

MODEL NUMBER: B127A-1A1-BDFH



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 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. The metal transmitter box and the single-gang metal wall plate receiver with metal back cover blend perfectly into the room décor.

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

The B127A-1A1-BDFH 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 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-BDFH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as specified in HDMI 2.0, with 7.1-channel surround sound. 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 PoC Technology Provides Power to Avoid Bulky External Power Bricks

After you connect the included external power supply to the transmitter, Power over Cable (PoC) technology powers the receiver 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 receiver 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 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

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

TAA-Compliant for GSA Schedule Purchases

The B127A-1A1-BDFH 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	037332263995	
Product Type	Extender Kit	
Technology	Cat5/5e; Cat6; DisplayPort; HDMI; POC	
VIDEO		
Video Input	DISPLAYPORT (FEMALE)	
Video Output	HDMI (FEMALE)	
Number of Monitors Supported	1	
Video Ports	(2) HDMI (FEMALE)	
Video Ports Details	DisplayPort 1.2a; 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	

1000 Eaton Boulevard Cleveland, OH 44122 United States

Signal Range (m) 70 Parge Estension using other Tripp 170 ft. or. 230 ft. Recommended Cabling Solid Wire Cal6 Cables (Tripp Life's N202-Series) Extended Mode Yes Extended Mode Details x1 HDMI Port (4K60 Hz) Mirror Mode Yes Mirror Mode Details x1 HDMI Port (4K60 Hz) Other Tripp Life product used to 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 (m) 70 Audio Ports HDMI (FEMALE) Audio Ports HDMI (FEMALE) Audio Ports HDMI (FEMALE) Audio Output Displaynort Audio Output ASA25 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America AC Power Adapter Flugt(s) ASA25 23 12 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America AC Power Adapter Cord Length (m) 1.33 AC Power Adapter Cord Length (m) 1.33 AC Power Adapter Cord Length (m) 1.33		
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Bus Powered No POWER AC Adapter	AC Power Adapter Cord Length (ft.)	4.53
POWER Power Source Type AC Adapter	AC Power Adapter Cord Length (m)	1.38
Power Source Type AC Adapter	Bus Powered	No
	POWER	
AC Plug Type AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P	Power Source Type	AC Adapter
	AC Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Source Transmitter end only (Included)	Power Source	Transmitter end only (Included)



Power Over Cable (PoC) Support	Yes
Receiver Power Source	AC Adapter (Optional); Power Over Cable
USER INTERFACE, ALERTS & CON	TROLS
LED Indicators	Transmitter: (1) Power = Green (unit is receiving power); (1) RJ45 Port = Green (power), Orange (data being sent). Receiver: (1) Data = Orange (data being received from transmitter over Cat6 cabling.
PHYSICAL	
Color	Black; White
Material of Construction	Metal
Included Mounting Accessories	(2) Mounting Brackets, (6) Screws
Number of Displays	1
Form Factor/Mounting Options	Wallplate
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	11.5 x 7 x 3.38
Receiver Unit Dimensions (hwd / in.)	4.528 x 2.756 x 1.331
Receiver Unit Weight (kg)	0.65
Receiver Unit Weight (Ibs.)	1
Shipping Dimensions (hwd / in.)	2.17 x 13.86 x 6.46
Shipping Dimensions (hwd / cm)	5.51 x 35.20 x 16.41
Shipping Weight (lbs.)	2.27
Shipping Weight (kg)	1.03
Transmitter Unit Dimensions (hwd / cm.)	2.7 x 11.5 x 6.24
Transmitter Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Transmitter Unit Weight (kg)	0.65
Transmitter Unit Weight (lbs.)	1
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	

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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 A - Connector 3	RJ45 (FEMALE)	
Side B - Connector 1	HDMI (FEMALE)	
Side B - Connector 2	RJ45 (FEMALE)	
Daisy-chainable / Cascadable	No	
FEATURES & SPECIFICATIONS		
All-in-One Kit	Yes	
Integrated/Removable Cable	No	
MST Support	No	
Mounting Accessory Included	Yes	
Multi-Resolution Support	Yes	
Built-In Equalizer	Yes	
Displayport Specification	1.2a	
HDCP Specification	1.4; 2.2	
Driver Required	No	
Recommended Category Cable	24AWG Cat6	
DIN Mountable	No	
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); UKCA	
WARRANTY & SUPPORT		



1000 Eaton Boulevard Cleveland, OH 44122 United States

Product Warranty Period (Worldwide)

1-year limited warranty



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