DisplayPort over Cat6 Extender Kit, KVM Support, USB, 4K, DP1.2a, PoC, HDCP 2.2, 230 ft. (70 m), TAA

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

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

Features

DisplayPort 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.

Extends a 4K A/V Transmission up to 230 ft.
The B127A-1A1-BDBD extends 4K signals from a DisplayPort source device to a DisplayPort monitor up to 230 feet (70 meters) away via user-supplied Cat6 cabling. By adding a Tripp Lite B127A-010-H HDMI repeater or B127A-110-BH transceiver (sold separately) to the application, you can extend the signal up to 400 feet (122 meters) or 460 feet (140 meters), respectively.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio and 4:4:4 Color
The B127A-1A1-BDBD supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 30 Hz with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital 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 allows you to fine-tune the image quality at the remote display.

Local HDMI Port on Transmitter Supports 4K @ 30 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 (such as Tripp Lite's P568- or P569-Series). This port does not support multi-resolution capabilities, so the connected monitor must also support 4K/30 Hz to function properly.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks
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 place the receiver where needed without worrying about finding a nearby AC outlet.**DIP Switch Extends Your Choice of Either USB or IR**
The DIP switches on both the transmitter and receiver can be adjusted to let you choose from the USB 1.1

Highlights

- Supports UHD resolutions up to 4K @ 30 Hz (4:4:4) for crystal-clear video
- 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
- DIP switch selection allows bi-directional IR or USB function for controlling the source
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Connect a laptop for a video or PowerPoint presentation in an auditorium or lecture hall, where the source device changes frequently
- 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 DisplayPort output (Blu-ray player, PC, laptop)
- Display device with DisplayPort 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

or bi-directional IR functions. Choose to control the source device via keyboard and mouse or IR remote control from the display end of the installation. Only one function can be extended at a time.

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 both units on a wall, pole or 19-inch rack. 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 another user-supplied DisplayPort cable. 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-1A1-BDBD 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	037332261311
Product Type	Extender Kit
Technology	Cat5/5e; Cat6; HDMI; POC

VIDEO	
Video Input	DISPLAYPORT (FEMALE)
Video Output	DISPLAYPORT (FEMALE); HDMI (FEMALE)
Number of Monitors Supported	2
Video Ports	DISPLAYPORT (FEMALE); HDMI (FEMALE)
Video Ports Details	HDMI 2.0; HDCP 1.4; HDCP 2.2; DisplayPort 1.4
Max Supported Video Resolution	3840x2160 (4K @ 30Hz)
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
Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	DisplayPort
Receiver - Number of Video Outputs	1
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	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 or B127A-110-BH
Max Supported Color Depth	36-bit True 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	DISPLAYPORT (FEMALE)
Audio Ports Details	Supports pass-through of audio formats including LPCM2.0/5.1/7.1
Audio Input	Displayport
Audio Output	Toslink; Displayport
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
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
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 Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	TX: Green (Power); RJ45 Port: Green (Connection), Orange (Activity); RX: Green (Power), RJ45 Port: Green (Connection), Orange (Activity)

PHYSICAL	
Color	Black
Material of Construction	Metal
Included Mounting Accessories	Wallmount
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / cm.)	2.7 x 11.5 x 6.24
Receiver Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
Receiver Unit Weight (kg)	0.4536
Receiver Unit Weight (lbs.)	1
Transmitter Unit Dimensions (hwd / cm.)	2.7 x 11.5 x 6.24
Transmitter Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
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
Transmission Distance	230 ft. (70 m); 400 ft. (121 m) when using 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	Yes

CONNECTIONS	
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side A - Connector 2	HDMI (FEMALE)
Side A - Connector 3	RJ45 (FEMALE)
Side A - Connector 4	(2) 3.5MM (FEMALE); MICRO-USB B (FEMALE)
Side B - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	(2) USB A (FEMALE)
Side B - Connector 4	TOSLINK (FEMALE); (2) 3.5MM (FEMALE)
Side B - Connector 5	TOSLINK (FEMALE)

FEATURES & SPECIFICATIONS	
Displayport Specification	1.2a
HDCP Specification	2.2
USB Specification	USB 1.1 (up to 12 Mbps)
Driver Required	No
Recommended Category Cable	Cat6
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No

STANDARDS & COMPLIANCE	
External Power Supply Certifications	CE; FCC; CCC; GS; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA)

WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty