When extending keyboard and mouse functionality through the USB Micro-B port, be sure that the cable supports data transfer. U050-006 will support this application.

DisplayPort over Cat6 Extender Kit, Transmitter/Receiver, 4K 60 Hz, 4:4:4, Power over Cable, 230 ft. (70 m), TAA

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

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 for Digital Signage in Schools, Trade Shows 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 AV cables allow.

Extends a 4K AV Transmission up to 230 ft.
The B127A-1A1-BDBDA extends 4K signals from a DisplayPort source to a DisplayPort monitor up to 230 feet (70 meters) away via user-supplied Cat6 cabling. By adding a B127A-010-H HDMI repeater or B127A-110-BH transceiver (both 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-BDBDA supports Ultra HD 4K resolutions up to 3840 x 2160 at 60 Hz with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. Built-in equalization allows you to fine-tune the image quality at the remote display. HDCP 2.2 encryption allows you to stream 4K content with no complications. This extender kit also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

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 (such as P568- or P569-Series). This port does not support multi-resolution capabilities, so the connected monitor must also support 4K at 60 Hz to function properly.

Built-In PoC Technology Provides Power to Avoid Bulky External Power Bricks
Power over Cable (PoC) technology powers either the transmitter or receiver over Cat6 cable. Connect the included power supply at either end to power the entire installation. LEDs on both the transmitter and receiver light up to indicate the system is receiving power and a signal is being transmitted. PoC helps you avoid the hassle of a bulky power brick and gives you the freedom to place one end where needed without worrying about finding a nearby AC outlet.

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) with multi-channel audio
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Extends the touchscreen ability of interactive flat-panel monitors
- Transmitter's local HDMI port shows you the 4K image being displayed at the other end
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source device with DisplayPort output (media server, 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) with 4.5 ft. (1.4 m) cord
- (4) International plug adapters (North America, Europe, U.K. and Australia)
- Mounting hardware
- Owner's manual

DIP Switches Extend Your Choice of USB or IR
The DIP switches on both the transmitter and receiver can be adjusted to let you choose from the USB 1.1 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 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 and the receiver to the display with user-supplied DisplayPort cables (such as P580-Series). Then, connect the two units with user-supplied Cat6 Ethernet cable (such as N202-Series).

TAA-Compliant for GSA Schedule Purchases
The B127A-1A1-BDBDA 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	037332288073
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 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	170 ft. or 230 ft.
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 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	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	Supports pass-through of Audio format includes LPCM2.0/5.1/7.1; TOSLINK Audio
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.)	4.53
AC Power Adapter Cord Length (m)	1.381
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
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)
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power (x1 per TX/RX unit) = Green; RJ45 (x1 per TX/RX unit) Green = Power, RJ45 (x1 per TX/RX unit) Orange = Transferring Data
PHYSICAL	
Color	Black
Material of Construction	Metal
Mounting Location	Wall
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	No
Receiver Unit Dimensions (hwd / cm.)	2.7 x 11.5 x 6.24
Receiver Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457
Receiver Unit Weight (kg)	0.4536
Receiver Unit Weight (lbs.)	1
Shipping Dimensions (hwd / in.)	2.17 x 10.24 x 6.46
Shipping Dimensions (hwd / cm)	5.51 x 26.01 x 16.41
Shipping Weight (lbs.)	1.00
Shipping Weight (kg)	0.45
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)	0.4536
Transmitter Unit Weight (lbs.)	1
Unit Dimensions (hwd / in.)	2.170 x 10.240 x 6.460
Unit Packaging Type	Box

Mounting Details	Surface mount brackets
ENVIRONMENTAL	
Operating Temperature Range	32 to 104F (0 to 40C)
Storage Temperature Range	5 to 122F (-15 to 50C)
Relative Humidity	0 to 85% Non Condensing
COMMUNICATIONS	
Signal Range (ft.)	230
Signal Range (m)	70
Transmission Distance	230 ft. (70 m)
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
Latency	0
USB Extension Support	Yes
FEATURES & SPECIFICATIONS	
USB Specification	USB 1.1 (up to 12 Mbps)
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
Displayport Specification	1.2a
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	Cat6
DIN Mountable	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; CE; GS; TUV; UL; cUL
Product Certifications	NOM (Mexico)
Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; Trade Agreements Act (TAA); UKCA; WEEE
WARRANTY & SUPPORT	

Product Warranty Period (Worldwide)	1-year limited warranty

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