DisplayPort over Cat6 Extender Kit, Transmitter and Receiver with Repeater, 4K, 4:4:4, PoC, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127A-111-BDTD**

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

Features

DisplayPort 1.2a Extender Kit Ideal for Digital Signage in Schools and Offices
This complete transmitter and transceiver 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 B127A-111-BDTD extends 4K signals from a DisplayPort source device to a DisplayPort monitor up to 230 feet (70.1 meters) away with zero latency via user-supplied Cat6 cabling.

Transmits Crystal-Clear 4K Video with 4:4:4 Color
The B127A-111-BDTD supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 30 Hz with 7.1-channel surround sound via the transceiver's TOSLINK audio output. 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 transceiver, connect a 4K display to the transmitter's local HDMI port with a user-supplied HDMI cable.

Built-In PoC Technology Provides Transceiver Power to Avoid Bulky External Power Bricks
Power over Cable (PoC) technology powers either the transmitter or transceiver over Cat6 cable. Connect the included power supply at either end to power the entire installation. LEDs on both the transmitter and transceiver 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 transceiver where needed without worrying about finding a nearby AC outlet.

Create a Daisy Chain to Achieve Even More Distance
This extender kit is capable of forming daisy-chain installations up to 920 feet (280.4 meters) from the transmitter by connecting additional B127A-110-BD transceivers (sold separately). Up to four total transceivers can be chained together, each capable of extending a 4K/30 Hz signal up to 230 feet per unit. The kit is also compatible with B127A-010-H signal booster (sold separately), which allows the signal, when used in a daisy chain, to be enhanced up to 1,090 feet (332.2 meters) total. **Note**: *B127A-010-H will only work when used in the first link of the daisy-chain installation.*

Highlights

- Supports UHD resolutions up to 4K @ 30 Hz (4:4:4) for crystal-clear video
- Power over Cable (PoC) technology provides power to either unit via Cat6 cable
- Can be daisy-chained up to 4 times (920 ft. total) via additional B127A-110-BD receivers
- Plug-and-play operation with no software required for easy, immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Connect a DisplayPort-compatible 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 (computer, laptop, media server)
- Display device with DisplayPort 1.2a input (HDTV, projector, monitor)

Package Includes

- Transmitter
- Transceiver
- 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 transceiver units work right out of the box with no software required.
Mounting hardware is included for installing the transceiver on a wall, pole or 19-inch rack. Connect the
transmitter to the source with a user-supplied DisplayPort cable (such as P580-Series). Then, connect the
transceiver to the display with another user-supplied DisplayPort cable. Finally, connect the two units with
user-supplied Cat6 patch cable (such as N202-Series cable).

TAA-Compliant for GSA Schedule Purchases
The B127A-111-BDTD 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	037332263964
Product Type	Extender Kit
Technology	Cat5/5e; Cat6; DisplayPort; HDMI; POC
Host Connector	HDMI (FEMALE)

VIDEO	
Video Input	DISPLAYPORT (FEMALE)
Video Output	DISPLAYPORT (FEMALE); HDMI (FEMALE)
Number of Monitors Supported	1
Video Ports	DISPLAYPORT (FEMALE); HDMI (FEMALE)
Video Ports Details	HDCP 1.4; HDCP 2.2; DisplayPort 1.2a
Resolutions Supported	DisplayPort Output and Local HDMI Output: 3840 x 2160 (4K) @ 30 Hz
Supported Resolutions	3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 @ 30 Hz
Max. Distance (Between any 2 Units)	230 ft.
Max Number of Ports (Entire Chain)	4
Max 720P Range (ft)	230
Max 1080P Range (ft)	230
Max 1280 x 720 (720p) Range (ft)	230
Max 3840 x 2160 (4K@30Hz) Range (ft)	230
Maximum Distance with Booster	400
Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	2
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	DisplayPort

Receiver - Number of Video Outputs	1
Signal Range (ft)	230
Range Extension with Booster	Yes
Range Extension using other Tripp Lite product	230 ft.
Extended Mode	Yes
Extended Mode Details	x1 DisplayPort Output (4K/30 Hz)Can be daisy-chained up to four lengths with each additional B127A-110-BD transceiver unit featuring x1 4K/30 Hz DisplayPort output
Mirror Mode	Yes
Mirror Mode Details	x1 DisplayPort Output (4K/30 Hz)Can be daisy-chained up to four lengths with each additional B127A-110-BD transceiver unit featuring x1 4K/30 Hz DisplayPort output
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 Input	Displayport
Audio Output	Displayport
Audio Specification	Pass-through of Audio format includes LPCM2.0/5.1/7.1

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)	1.38
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Bus Powered	No

POWER

Power Source Type	AC Adapter
Power Over Cable (PoC) Support	Yes
Receiver Power Source	AC Adapter (Included); Power Over Cable

USER INTERFACE, ALERTS & CONTROLS

LED Indicators	Transmitter: (1) Power = Green (Connected to external power supply/PoC from Receiver), (1) RJ45 Port = Green (Power), (1) Orange (Transmitting data to connected receiver); Receiver: (1) Power = Green (Conneceted to external power supply/PoC from transmitter); (2) RJ45 Ports = Green (Power), Orange (Receiving data from transmitter/transmitting to additional connected transceiver unit)

PHYSICAL

Color	Black
Material of Construction	Metal
Number of Displays	1
Form Factor/Mounting Options	Box
Rackmountable	Yes
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)	0.45
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.)	1.23
Shipping Weight (kg)	0.56
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)	0.45
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

Max 1024 x 768 Range (ft)	230
Signal Range (ft.)	230
Signal Range (m)	70
Max 480P Range (ft)	230
Transmission Distance	230 ft.
Max 1080i Range (ft)	230

Max 4K UHD Range (ft)	230
Max 480i Range (ft)	230
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	(2) RJ45 (FEMALE)
Side B - Connector 2	DISPLAYPORT (FEMALE)
Side B - Connector 3	TOSLINK (FEMALE)
Daisy-chainable / Cascadable	Yes
Daisy-chainable / Cascadable Details	Up to 4 Units

PORT EXPANSION

Daisy-chainable or Cascadable	Daisychain (up to 4 links)

FEATURES & SPECIFICATIONS

All-in-One Kit	Yes
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	No
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; GS; TUV; UL; cUL

Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA); UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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