

DisplayPort over Cat6 Receiver with Repeater, 4K, 4:4:4, Transceiver, PoC, HDCP 2.2, 230 ft. (70.1 m), TAA

MODEL NUMBER: B127A-110-BD











Works with Tripp Lite's DisplayPort extender kit to extend 4K video an extra 230 ft. between source and display via Cat6 cable.

Features

DisplayPort 1.2a Extender Transceiver Ideal for Digital Signage in Schools and Restaurants

This 4K transceiver 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.

Combines with DisplayPort Extender Kit to Add More Distance

The B127A-110-BD works with B127A-111-BDTD extender kit (sold separately) to further extend a 4K audio/video signal up to 230 feet (70.1 meters) with no latency. It connects between the transmitter and receiver from the extender kit with user-supplied Cat6 cabling.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio and 4:4:4 Color

The B127A-110-BD supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 30 Hz with 7.1-channel surround sound audio through its TOSLINK port. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This receiver 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.

Create a Daisy Chain to Achieve More Distance

This transceiver combines with the B127A-111-BDTD extender kit (sold separately) and additional B127A-110-BD transceivers to form daisy-chain installations up to 920 feet (280.4 meters) from the transmitter. Up to four total transceivers can be chained together, each capable of extending a 4K signal up to 230 feet per unit. In addition to the extender kit, this transceiver is also compatible with B127A-1A1-BDBD and can be used to replace any receivers in the installation as well.

Add a Signal Booster to Achieve, Yes, Even More Distance

The receiver is also compatible with B127A-010-H signal booster (sold separately), which allows the signal to be boosted up to 400 feet (121.9 meters) total between the transmitter and transceiver. When used in a daisy-chain installation, this brings the total extension distance up to 1,090 ft. (332.2 meters). **Note**: B127A-010-H will only work when used in the first link of the daisy-chain installation.

Highlights

- Combines with B127A-111-BDTD to extend 4K signals up to 230 ft.
- Supports UHD resolutions up to 4K @ 30 Hz (4:4:4) for crystalclear video
- Can be daisy-chained up to 4 times (920 ft. total) via additional B127A-110-BD transceivers
- Power over Cable (PoC) technology provides power to the transceiver via Cat6 cable
- 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 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 input (HDTV, projector, monitor)
- B127A-111-BDTD DisplayPort over Cat6 Extender Kit

Package Includes

- B127A-110-BD DisplayPort over Cat6 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



Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks

Power over Cable (PoC) technology powers the B127A-110-BD over Cat6 cable. LEDs indicate when 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. Power is also equally distributed to any additional receivers within a daisy-chain installation.

Plug-and-Play Operation for Quick Setup and Immediate Use

The transceiver works right out of the box with no software required. Mounting hardware is included for installing it on a wall, pole or 19-inch rack. Connect the transceiver to a transmitter and any additional transceivers with user-supplied Cat6 cable (such as N202-Series). Connect to a 4K display with a user-supplied DisplayPort cable (such as P580-Series).

TAA-Compliant for GSA Schedule Purchases

The B127Å-110-BD 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	037332263124
Product Type	Receiver
Technology	Cat5/5e; Cat6; DisplayPort; POC
Host Connector	RJ45 (FEMALE)
VIDEO	
Video Input	DISPLAYPORT (FEMALE)
Video Output	DISPLAYPORT (FEMALE)
Video Ports	DISPLAYPORT (FEMALE)
Video Ports Details	DisplayPort 1.2a; HDCP 2.2
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 (4K x 2K) @ 30 Hz
Max. Distance (Between any 2 Units)	230 ft.
Max 1280 x 720 (720p) Range (ft)	230
Max 1920 x 1080 (1080p) Range (ft)	2300
Max 1920 x 1200 Range (ft)	230
Max 2560 x 1600 Range (ft)	230
Max 3840 x 2160 (4K@30Hz) Range (ft)	230
Max 4096 x 2160 (4K) Range (ft)	230
Receiver/Transceiver Video Output	DisplayPort
Receiver - Number of Video Outputs	2



Signal Range (m) 230 Signal Range (m) 70 Recommended Cabiling 170 ft. or 230 ft. Recommended Cabiling Solid Wire 24AWG Cat6 Cables (Tripp Lite's N202-Series) Other Tripp Lite product used to extend range B127A-D10-H Signal Booster or additional B127A-110-BD Transceivers (up to 3) Max Supported Color Depth No 3D Video Supported Yes Chroma Sub Sampling 44.4 Maximum Signal Range (m) 70 Maximum Signal Range (m) 70 Maximum Signal Range (m) 70 Multiple Signal Range (m) 70 Audio Input Displayport Audio Specification Pass-through audio formats including LPCM2.0fs.17.1; TOSLINK audio Audio Proper Adapter Puglis) ASINZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuke; NEMA 1-15P North America AC Power Adapter Input Specs (V) 100-240V / 50/66/12 / 0.6A AC Power Adapter Cord Length (m)		
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Recommended Cabling Solid Wire 24AWG Cat6 Cables (Tripp Lite's N202-Series)	Signal Range (m)	70
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Chroma Sub Sampling 4:4:4 Maximum Signal Range (ft) 230 Maximum Signal Range (m) 70 Maximum Signal Range Details Asigne B137A-110-BD unit can be connected to a transmitter unit to reach 230 ft. When daisy-chaining multiple as 13/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. When using a 51/27A 010-01-14 stup to 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. (by a maximum distance of 320 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. (by a maximum distance of 320 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a maximum distance of 320 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a 14-bta9) each link in the chain reaches 230 ft. (by a 14-bta9) each link i	HDR Support	No
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Maximum Signal Range (m) A single B127A-110-BD unit can be connected to a transmitter unit to reach 230 ft. When daisy-chaining multiple B127A-110-BDs (up to 4 total) each link in the chain reaches 230 ft., for a maximum distance of 920 ft. When using a B127A-10-BDs (up to 4 total) each link in the chain reaches 230 ft., for a maximum distance of 920 ft. When using a B127A-10-BD in the chain in a four-link daisy-chain installation the total distance can be 1070 ft. AUDIO Audio Input Displayport Audio Output Displayport; Toslink Audio Specification Pass-through audio formats including 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 / 100-240V / 50/60Hz / 0.6A AC Power Adapter Cord Length (ft.) 4.53 AC Power Adapter Cord Length (ft.) 4.53 AC Power Adapter Cord Length (ft.) 5.453 AC Power Adapter Cord Length (ft.) 4.53 AC Power Adapter Cord Length (ft.) 5.453 AC Power Adapter Cord Length (ft.) 5.454 AC Power Adapter Cord Length (ft.) 5.455 AC Power Adapter Cord Length (ft.) 5.450 AC Power Adapter Cord Length (ft.) 6.451 AC Power Adapter Cord Length (ft.) 7.581 AC Power Adapter Cord Length (ft.) 7.581 AC Power Adapter Cord Length (ft.) 8.453 AC Power Adapter Cord Length (ft.) 8.453 AC Power Adapter Cord Length (ft.) 8.454 AC Power Adapter Cord Length (ft.) 8.457 AC Power Adapter Cord Length (ft.) 8.458 AC Power Adapter Cord Length (ft.) 9.459 AC Adapter AC Adapter AC Adapter AC Adapter AC Power Type AC Adapter AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P Transmitter end only (Optional)	Chroma Sub Sampling	4:4:4
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AC Plug Type AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P Power Source Transmitter end only (Optional)	POWER	
Power Source Transmitter end only (Optional)	Power Source Type	AC Adapter
	AC Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Over Cable (PoC) Support Yes	Power Source	Transmitter end only (Optional)
	Power Over Cable (PoC) Support	Yes



USER INTERFACE, ALERTS & CONTROLS		
LED Indicators	(x1) Power = Green; RJ45 (x2) Green = Unit is receiving power, (x2) Orange = signal is being sent	
PHYSICAL		
Color	Black	
Material of Construction	Metal	
Included Mounting Accessories	(2) Mounting Brackets	
Number of Displays	1	
Form Factor/Mounting Options	Box	
Rackmountable	Yes	
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	
Unit Dimensions (hwd / in.)	1.063 x 4.528 x 2.457	
Unit Dimensions (hwd / cm)	2.7 x 11.5 x 6.24	
Unit Dimensions (hwd / mm)	27 x 115 x 62.4	
Unit Packaging Type	Вох	
Unit Weight (lbs.)	0.55	
Unit Weight (kg)	0.25	
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%, Non Condensing	
COMMUNICATIONS		
Signal Range (ft.)	230	
Signal Range (m)	70	
Transmission Distance	230 ft. (70m) ; 400 ft. (121 m) with signal booster	
EDID Compatible	Yes	
IR Remote Extension Support	No	
RS-232 Serial Extension Support	No	
Consumer Electronics Control (CEC) Supported	No	
Latency	0	



USB Extension Support	No		
CONNECTIONS	CONNECTIONS		
Side A - Connector 1	(2) RJ45 (FEMALE)		
Side A - Connector 2	DISPLAYPORT (FEMALE)		
Side B - Connector 1	TOSLINK (FEMALE)		
Daisy-chainable / Cascadable	Yes		
Daisy-chainable / Cascadable Details	Up to 4 Units		
PORT EXPANSION			
Daisy-chainable or Cascadable	Daisychainable up to 4 layers, 230 ft. per layer		
FEATURES & SPECIFICATIONS			
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	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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