DisplayPort over Cat6 Pigtail Receiver with Repeater, 4K 60 Hz, 4:4:4, Transceiver, HDCP 2.2, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127U-110-PD**

Works with a B127U-Series transmitter or splitter to extend 4K video via Cat6 cable to a DisplayPort monitor up to 230 ft. away.

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) with High Dynamic Range (HDR)
- Lightweight pigtail receiver is USB-powered through display or power adapter
- Can be daisy-chained up to 4 times (920 ft. total) via additional 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

System Requirements

- Source device with DisplayPort or HDMI output (computer, laptop, media server)
- Display device with DisplayPort input (HDTV, projector, monitor)
- B127U-Series transmitter or splitter

Package Includes

- B127U-110-PD DisplayPort over Cat6 Receiver
- Owner's manual

Features

DisplayPort Extender Receiver Recommended for Digital Signage in Schools and Businesses
This 4K receiver 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. When connected to a B127U-Series transmitter, the B127U-110-PD helps extend 4K signals from a DisplayPort or HDMI source to a DisplayPort monitor up to 230 feet (70.1 meters) away with zero latency via user-supplied Cat6 cabling. The one-foot pigtail design makes the receiver easy to install, especially in a tight space.

Transmits 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127U-110-PD supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. High Dynamic Range (HDR) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 compliance allows you to stream 4K 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.

Create Daisy-Chain Installations with HDMI Outputs, DisplayPort Outputs or Both
The B127U-110-PD can be connected to additional B127U-110-PD DisplayPort receivers or B127U-110-PH HDMI receivers (sold separately) in a four-link daisy-chain installation. Each additional receiver adds up to 230 feet (70.1 meters) to the maximum video transmission distance and up to a total of 920 feet (280 meters) for the entire installation. *Note: See the installation diagram in the owner's manual for more information.*

Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions
The B127U-110-PD is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching, allowing each connected monitor to display video at its maximum resolution without affecting the other outputs.

Plug-and-Play Operation for Quick Setup and Immediate Use
The receiver works right out of the box with no software required. A one-foot USB-A pigtail connector is the primary power source. Plug the USB connector on the receiver into a USB-A power adapter (such as U280-W01-QC3-1, sold separately) or USB-A port on the connected display. User-supplied 24 AWG Cat6

cabling connects the transmitter and receivers. **Note**: *The receiver can also be powered through its Micro-USB port.*

TAA-Compliant for GSA Schedule Purchases
The B127U-110-PD 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	037332281272
Product Type	DisplayPort over Cat6 Receiver with Repeater
Technology	Cat6; DisplayPort; USB
Host Connector	DISPLAYPORT (MALE)

VIDEO	
Video Input	RJ45 (FEMALE)
Video Output	DISPLAYPORT (MALE)
Number of Monitors Supported	1
Video Ports	DISPLAYPORT (MALE)
Video Ports Details	HDCP 1.4; HDCP 2.2; DisplayPort 1.2
Resolutions Supported	Up to 4K (3840 x 2160) @ 60 Hz
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 1920x1200; 2560x1600; 3840x2160 (4K)
Max Supported Video Resolution	3840 x 2160 (4K) @ 60 Hz
Max. Distance (Between any 2 Units)	230 ft.
Max. Distance (Between any 2 Units) (Meters)	70
Max 1080P Range (ft)	230
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
Receiver/Transceiver Video Output	DisplayPort
Receiver - Number of Video Outputs	1
Signal Range (ft)	230

Signal Range (m)	70
Range Extension using other Tripp Lite product	N/A
Recommended Cabling	N202-Series Cat6 Gigabit Snagless UTP Ethernet Cabling
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70
EDID Support	Yes
Signal Transmission	Unidirectional
DisplayPort Alt Mode	No

AUDIO	
Audio Output	Displayport
Audio Specification	Supports passthrough audio formats including LPCM 2.0/5.1/7.1

INPUT	
Bus Powered	Yes
Power Source	USB

POWER	
Power Source Type	USB
Power Source	Unit (Included)
Power Over Cable (PoC) Support	No
Receiver Power Source	USB

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	x1 Green (Power), x1 Orange (Data)

PHYSICAL	
Color	Black
Material of Construction	Plastic
Cable Jacket Color	Black
Cable Jacket Material	PVC
Cable Outer Diameter (OD)	4.2mm
Wire Gauge (AWG)	28

Cable Length (ft.)	1
Cable Length (m)	0.30
Cable Length (in.)	12
Included Mounting Accessories	N/A
Cable Length (cm)	30.5
Total Number of Ports	3
Number of Displays	1
Form Factor/Mounting Options	Pigtail
Rackmountable	No
Receiver Unit Dimensions (hwd / cm.)	1.86 x 4.7 x 7.5
Receiver Unit Dimensions (hwd / in.)	0.73 x 1.85 x 2.95
Receiver Unit Weight (kg)	0.25
Receiver Unit Weight (lbs.)	0.55
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.)	0.35
Shipping Weight (kg)	0.16
Unit Dimensions (hwd / in.)	0.732 x 1.850 x 2.953
Unit Dimensions (hwd / cm)	1.85 x 4.7 x 7.5
Unit Dimensions (hwd / mm)	18.5 x 47 x 75
Unit Packaging Type	Box
Unit Weight (lbs.)	0.176
Unit Weight (kg)	0.08

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

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. (70 m)
Max 1440 x 900 Range (ft)	230

Max 1080i Range (ft)	230
Max 1920 x 1440 Range (ft)	230
Max 4K UHD Range (ft)	230
Max 480i Range (ft)	230
Max 640 x 480 Range (ft)	230
Max 800 x 600 Range (ft)	230
Max 1600 x 1200 Range (ft)	230
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
Latency	Zero Latency
USB Extension Support	No

CONNECTIONS	
Number of Ports	3
Ports	2
Ports Detail	Video is carried from the transmitter to the receiver via the RJ45 portExtend the maximum distance of the installation by daisychaining B127U-110-PD units via the second RJ45 port on the receiver unit.
Daisy-Chain Port	RJ45 (Female)
Side A - Connector 1	HDMI (MALE)
Side A - Connector 2	USB A (MALE)
Side B - Connector 1	(2) RJ45 (FEMALE)
Side B - Connector 2	MICRO-USB B (FEMALE)
Daisy-chainable / Cascadable	Yes
Daisy-chainable / Cascadable Details	Up to 4 Units

PORT EXPANSION	
Daisy-chainable or Cascadable	Y

FEATURES & SPECIFICATIONS	
All-in-One Kit	No
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	Yes

Built-In Equalizer	No
Displayport Specification	1.2
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	24AWG Solid Wire Cat6
DIN Mountable	No

STANDARDS & COMPLIANCE	
Product Certifications	ICES (Canada); NOM (Mexico)
Product Compliance	CE (Europe); FCC Part 15 Class B (USA); REACH; RoHS3; Trade Agreements Act (TAA); UKCA; WEEE

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

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