2-Port DisplayPort over Cat6 Extender Kit, Pigtail Transmitter/2x Receivers, 4K 60 Hz, HDR, 4:4:4, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127U-002-PDPD2**

DisplayPort extender kit with pigtail splitter and receivers extends a 4K signal via Cat6 cable to 2 DisplayPort monitors up to 230 ft. away.

Features

DisplayPort Extender Kit Ideal for Digital Signage in Schools, Restaurants and Lecture Halls
This complete transmitter and dual-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. The B127U-002-PDPD2 extends 4K signals from a DisplayPort source to two DisplayPort monitors up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. The one-foot pigtail design of the transmitter/splitter and receivers makes the units easy to install, especially in tight spaces.

Transmits Crystal-Clear 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color
The B127U-002-PDPD2 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 extender kit 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-002-PDPD2 includes two receivers but is also compatible with HDMI (B127U-110-PH) and DisplayPort (B127U-110-PD) receivers (sold separately) in a four-link daisy-chain installation. The dual-output transmitter allows you to create two separate daisy-chains with a total of eight receivers. 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
Say you have a brand new 4K/60 Hz HDTV in the living room but want to also connect your Blu-ray player or media server to the older 1080p TV in the kitchen and the 4K/30 Hz monitor in your home office. The B127U-002-PDPD2 is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching, allowing each connected television to display video at its maximum resolution without affecting the other outputs.

Highlights

Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear videoLightweight splitter and receivers are USB-powered through display or power adapterCan be daisy-chained up to 4 times for each display (920 ft. per chain) via additional receiversPlug-and-play operation with no software required for easy, immediate installationCompliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source device with DisplayPort output (Blu-ray player, PC, media server)
- Display device(s) with DisplayPort input (HDTV, projector, monitor)

Package Includes

- Pigtail transmitter/splitter
- (2) Pigtail receivers
- Owner's manual

Plug-and-Play Operation for Quick Setup and Use
The included transmitter and receiver units work right out of the box with no software required. All feature a one-foot USB-A pigtail connector as the primary power source. Plug the USB connector on the transmitter into a USB-A power adapter (such as U280-W01-QC3-1, sold separately), and plug the receivers into the displays' USB-A ports. User-supplied 24 AWG Cat6 cabling connects the transmitter and receivers. *Note: The transmitter and receivers can also be powered through their Micro-USB ports.*

TAA-Compliant for GSA Schedule Purchases
The B127U-002-PDPD2 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	037332281180
Product Type	DisplayPort over Cat6 Splitter/Extender Kit
Technology	Cat6; DisplayPort; USB
Host Connector	DISPLAYPORT (MALE)

VIDEO	
Video Input	DISPLAYPORT (MALE)
Video Output	DISPLAYPORT (MALE)
Number of Monitors Supported	2
Video Ports	(2) DISPLAYPORT (MALE)
Video Ports Details	HDCP 1.4; HDCP 2.2; DisplayPort 1.4
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

Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	2
Receiver/Transceiver Video Output	DisplayPort
Receiver - Number of Video Outputs	2
Signal Range (ft)	230
Signal Range (m)	70
Range Extension with Booster	No
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; 4:4:4
Maximum Signal Range (ft)	230
Maximum Signal Range (m)	70
EDID Support	Yes
Signal Transmission	Unidirectional
DisplayPort Alt Mode	No
DSC Support	No
AUDIO	
Audio Input	Displayport
Audio Output	Displayport
Audio Specification	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	Transmitter: x1 Green (Power); Receiver: 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	9
Number of Displays	2
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.)	1.41
Shipping Weight (kg)	0.64
Transmitter Unit Dimensions (hwd / cm.)	1.86 x 4.7 x 7.5
Transmitter Unit Dimensions (hwd / in.)	0.73 x 1.85 x 2.95
Transmitter Unit Weight (kg)	0.25
Transmitter Unit Weight (lbs.)	0.55
Unit Dimensions (hwd / in.)	0.730 x 1.850 x 2.950
Unit Packaging Type	Box
Unit Weight (lbs.)	1.41
Unit Weight (kg)	0.64

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	9
Ports	6
Ports Detail	Video is carried from the transmitter to the receiver via the RJ45 output ports on each unitExtend the maximum distance of the installation by daisychaining B127U-110-PD units via the second RJ45 port on the receiver units
Daisy-Chain Port	RJ45 (Female)
Side A - Connector 1	DISPLAYPORT (MALE)
Side A - Connector 2	USB A (MALE)
Side A - Connector 3	(2) RJ45 (FEMALE)

Side A - Connector 4	MICRO-USB B (FEMALE)
Side B - Connector 1	DISPLAYPORT (MALE)
Side B - Connector 2	USB A (MALE)
Side B - Connector 3	MICRO-USB B (FEMALE)
Side B - Connector 4	(2) RJ45 (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	Yes
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	1.4
HDCP Specification	1.4; 2.2
Driver Required	No
Recommended Category Cable	24AWG 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