



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

MODEL NUMBER: B127U-111-PDPD





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

Features

DisplayPort Extender Kit Ideal for Digital Signage in Schools, Restaurants 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 A/V cables allow. The B127U-111-PDPD extends 4K signals from a DisplayPort source to a DisplayPort monitor up to 230 feet (70.1 meters) away via user-supplied Cat6 cabling. The one-foot pigtail design of the transmitter and receiver 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-111-PDPD 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-111-PDPD is compatible with additional HDMI (B127U-110-PH) and DisplayPort (B127U-110-PD) 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

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-111-PDPD 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.

Local HDMI Port on Transmitter Supports 4K @ 60 Hz Resolution

To monitor the video signal being extended to the transceiver, connect a 4K display to the transmitter's

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystalclear video
- Compact transmitter and receiver are USB-powered through display or power adapter
- Supports multi-resolution output to allow for combination of different display types
- 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 output (Blu-ray player, PC, media server)
- Display device(s) with DisplayPort input (HDTV, projector, monitor)

Package Includes

- Pigtail transmitter
- · Pigtail receiver
- Owner's manual



local HDMI port with a user-supplied HDMI cable. This port does not support multi-resolution capabilities, so the connected monitor must also support 4K/60 Hz to function properly.

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. Both 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 receiver into the display's USB-A port. User-supplied 24 AWG Cat6 cabling connects the transmitter and receiver. *Note: The transmitter and receiver can also be powered through their Micro-USB ports.*

TAA-Compliant for GSA Schedule Purchases

The B127U-111-PDPD 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	037332281265	
Product Type	Pigtail Video Extender Kit	
Technology	Cat6; DisplayPort; HDMI; USB	
Host Connector	DISPLAYPORT (MALE)	
VIDEO		
Video Input	DISPLAYPORT (MALE)	
Video Output	DISPLAYPORT (MALE)	
Number of Monitors Supported	2	
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 @ 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	1	
Transmitter - Local Display Output	НДМІ	
Receiver/Transceiver Video Output	DisplayPort	
Receiver - Number of Video Outputs	1	
Signal Range (ft)	230	
Signal Range (m)	70	
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	Yes	
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	
CONNECTIONS		
Number of Ports	6	
Ports	3	





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 unit.
Daisy-Chain Port	RJ45 (Female)
Side A - Connector 1	DISPLAYPORT (MALE)
Side A - Connector 2	USB A (MALE)
Side A - Connector 3	RJ45 (FEMALE)
Side A - Connector 4	HDMI (FEMALE)
Side A - Connector 5	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
USER INTERFACE, ALERTS & CON	ITROLS
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 (m) Cable Length (in.)	0.30 12
Cable Length (in.)	12
Cable Length (in.) Included Mounting Accessories	12 N/A
Cable Length (in.) Included Mounting Accessories Cable Length (cm)	12 N/A 30.5
Cable Length (in.) Included Mounting Accessories Cable Length (cm) Total Number of Ports	12 N/A 30.5 6
Cable Length (in.) Included Mounting Accessories Cable Length (cm) Total Number of Ports Number of Displays	12 N/A 30.5 6 1
Cable Length (in.) Included Mounting Accessories Cable Length (cm) Total Number of Ports Number of Displays Form Factor/Mounting Options	12 N/A 30.5 6 1 Pigtail





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Max 1600 x 1200 Range (ft) 230 EDID Compatible Yes	Max 640 x 480 Range (ft)	230
EDID Compatible Yes	Max 800 x 600 Range (ft)	230
	Max 1600 x 1200 Range (ft)	230
IR Remote Extension Support No	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
PORT EXPANSION	
Daisy-chainable or Cascadable	Υ
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	1.2
HDCP Specification	1.2; 1.4; 2.2
Driver Required	No
Recommended Category Cable	24 AWG Solid Wire Cat6 Cabling
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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