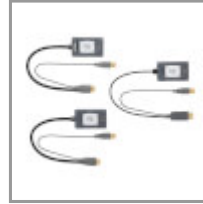


2-Port DisplayPort to HDMI over Cat6 Extender Kit, Pigtail Transmitter/2x Receivers, 4K 60 Hz, HDR, 4:4:4, 230 ft. (70.1 m), TAA

MODEL NUMBER: B127U-002-PDPH2



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

Features

2-Port 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-PDPH2 extends 4K signals from a DisplayPort source to two HDMI 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-PDPH2 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-PDPH2 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-PDPH2 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.

Plug-and-Play Operation for Quick Setup and Use

Highlights

Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
Lightweight splitter and receivers are USB-powered through display or power adapter
Can be daisy-chained up to 4 times for each display (920 ft. per chain) 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 output (Blu-ray player, PC, media server)
- Display device(s) with HDMI input (HDTV, projector, monitor)

Package Includes

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



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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-PDPH2 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 | 037332281289 |
| Product Type | DisplayPort; HDMI |
| Technology | Cat6; DisplayPort; HDMI; USB |
| Host Connector | DISPLAYPORT (MALE) |
| VIDEO | |
| Video Input | DISPLAYPORT (MALE) |
| Video Output | HDMI (FEMALE) |
| Number of Monitors Supported | 2 |
| Video Ports | (2) HDMI (MALE) |
| Video Ports Details | HDCP 1.4; HDCP 2.2 |
| 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 x 2K) @ 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 |



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| | |
|--|---|
| Transmitter - Number of Video Outputs | 2 |
| Receiver/Transceiver Video Output | HDMI |
| 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 | <u>N202-Series Cat6 Gigabit Snagless UTP Ethernet Cabling</u> |
| Other Tripp Lite product used to extend range | N/A |
| Max Supported Color Depth | 36-bit Deep Color |
| HDR Support | Yes |
| 3D Video Supported | Yes |
| Chroma Sub Sampling | 4:2:0; 4:4:0; 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 | HDMI |
| 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 | |



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| | |
|--------------------------------------|---|
| 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 daisy chaining B127U-110-PH 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 | (2) HDMI (MALE) |
| Side B - Connector 2 | (2) USB A (MALE) |
| Side B - Connector 3 | (2) MICRO-USB B (FEMALE) |
| Side B - Connector 4 | (4) RJ45 (FEMALE) |
| Daisy-chainable / Cascadable | Yes |
| Daisy-chainable / Cascadable Details | Up to 4 Units |

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 (TX); 7.3mm (RX) |
| Wire Gauge (AWG) | 28 |
| Cable Length (ft.) | 1 |
| Cable Length (m) | 0.30 |
| Cable Length (in.) | 12 |
| 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 |



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|---|----------------------------|
| 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.) | 0.732 x 1.850 x 2.953 |
| 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 | 0-85% 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. (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 |



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|--|--|
| 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 | 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 | 1.2 |
| 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 |

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