

## DisplayPort to DVI/HDMI over Cat5/6 Extender Kit, 1080p 60 Hz, Serial and IR Control, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-101-DPHDSI**



Converts DisplayPort A/V to an IP-based signal that is transmitted point-to-point to a DVI or HDMI display 328 ft. away via Cat5e/6 cable.

### Features

#### DP to DVI/HDMI Kit for Digital Signage or Extending Video in Schools or Trade Show Booths

This transmitter/receiver kit extends and distributes DisplayPort audio/video, RS-232 serial and IR (infrared) remote signals from a DisplayPort source, such as a laptop or media server, to a DVI or HDMI display. This point-to-point installation allows you to place a monitor, projector or television up to 328.08-ft. (100 m) away, which is more than 200-ft. (60.96 m) farther than a traditional Cat5e/6 solution. Plus, by adding a chain of unmanaged network switches, such as Tripp Lite's NG5, you can continue extending the distance between source and display up to 328 feet per switch.

#### Scale Up to a Multi-In, Multi-Out Installation to Take You Beyond 328.08-ft. (100 m)

You can create an installation featuring multiple sources and displays by connecting a dedicated managed Ethernet network switch with Internet Group Management Protocol (IGMP), such as Tripp Lite's NSS-G16D2. By adding multiple managed switches, you can create a multi-in, multi-out installation with as many as 64 transmitters and 255 receivers. The IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays. Note: unmanaged switch installations are limited to two transmitter units. The number of receivers is limited to the number of ports remaining on the unmanaged switch. This transmitter/receiver extender kit is designed for use with a dedicated network switch. Connecting a switch used with other networking equipment will result in degraded or non-functional performance.

#### Transmits Crystal-Clear 1080p Video with Stereo Audio

The B160-101-DPHDSI supports video resolutions up to 1920 x 1080 (1080p) at 60 Hz with 24-bit True Color in a managed switch installation. It extends IR signals that control a DisplayPort source to a remote display, as well as RS-232 signals at serial baud rates up to 57600 Bps. This allows you to operate the source device's remote control (play, rewind, pause, etc.), while standing near the receiver located up to 328.08-ft. (100 m) away. An adapter cable is included for converting the receiver's HDMI signal for a DVI display.

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

The included transmitter and receiver units work right out of the box with no software required. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Cat6 patch cable (such as Tripp Lite's N202-Series) can be used to connect the transmitter to the receiver or a network switch. Connect an additional display to the transmitter's local output with HDMI cable (such as Tripp Lite's P568-

### Highlights

- Delivers HD picture quality at resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Transmitter and receiver connect point-to-point without a switch up to 328.08-ft. (100 m)
- Transmitter's local HDMI port lets you monitor images being shown on remote displays
- Plug-and-play operation with no software required for easy, immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Applications

- Keep your video source in a secure location, with displays located elsewhere for viewing by the intended audience
- Create an easily updatable video board communicating dynamic information, such as a restaurant menu or a theater schedule
- Display arrivals, departures and up-to-the-minute information in an airport or train station
- Duplicate audio/video content across multiple displays, show different content on multiple screens or create an impressive video wall made up of many monitors (multiple transmitters and receivers required)

### System Requirements



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or P569-Series) to monitor the image being transmitted to a remote display.

#### TAA-Compliant for GSA Schedule Purchases

The B160-101-DPHDSI is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

- Source device with DisplayPort output (media server, laptop)
- Display devices with DVI or HDMI input (HDTV, projector, monitor)

#### Package Includes

- B160-001-DPSI transmitter unit
- B160-100-HDSI receiver unit
- IR-Out cable
- IR-In cable
- HDMI to DVI adapter cable
- (2) 3.5 mm to DB9 adapter cables (M/F)
- (2) External power supplies with 4.5-ft. (1.37 m) cord (Input: 100-240V, 50/60 Hz, 0.5A; Output: 5V 2A)
- (8) International plug adapters (North America, Europe, U.K., Australia)
- (2) Sets of mounting hardware
- (2) Owner's manuals

## Specifications

OVERVIEW	
UPC Code	037332237798
Product Type	Extender Kit
Technology	DVI; DisplayPort; HDMI; Serial (RS232); A/V over IP; Cat5/5e; Cat6
VIDEO	
Max Supported Video Resolution	1920x1080 (1080p @ 60Hz)
Max 1280 x 720 (720p) Range (ft)	328
Max 1920 x 1080 (1080p) Range (ft)	328
Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	1



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Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Range Extension using other Tripp Lite product	328ft
Recommended Cabling	N202-Series Cat6 Patch Cable
Other Tripp Lite product used to extend range	network switch
Max Supported Color Depth	24-bit True Color
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	328
Maximum Signal Range (m)	100
Maximum Signal Range Details	328 ft via Cat6275 ft via Cat5e
<b>AUDIO</b>	
Audio Input	Displayport
Audio Output	HDMI
Audio Specification	Stereo Audio
<b>POWER</b>	
Power Source	Transmitter and Receiver (Included)
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 1.0A
External Power Supply Output Specs (V / A)	5V/2A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.4
External Power Supply DC Barrel Connector Specs	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Certifications	BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL
Power Over Cable (PoC) Support	No
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	TX & RX: RJ45 (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)



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PHYSICAL	
Color	Black
Included Mounting Accessories	Wallmount
Material of Construction	Metal
Number of Displays	1
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="http://www.tripplite.com/din-rail-mounting-bracket-for-digital-signage-version-2-B110-DIN-02">B110-DIN-02</a>
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	1.169 x 5.039 x 3.937
Receiver Unit Weight (lbs.)	0.2
Shipping Dimensions (hwd / cm)	7.62 x 14.73 x 34.04
Shipping Dimensions (hwd / in.)	3.00 x 5.80 x 13.40
Shipping Weight (kg)	1.59
Shipping Weight (lbs.)	3.50
Transmitter Unit Dimensions (hwd / in.)	1.169 x 5.039 x 3.937
Transmitter Unit Weight (lbs.)	0.2
Unit Packaging Type	Box
Housing	Metal
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.)	328
Signal Range (m)	100
Transmission Distance	100m (328-ft.)
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
Latency	2-3 Seconds
USB Extension Support	No



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CONNECTIONS	
Side A - Connector 1	(1) DISPLAYPORT (FEMALE); (1) HDMI (FEMALE); (1) RJ45 (FEMALE)
Side B - Connector 1	(1) HDMI (FEMALE); (1) RJ45 (FEMALE)
FEATURES & SPECIFICATIONS	
Port Selection	Pushbutton; Software
Displayport Specification	1.2
HDCP Specification	1.4
Driver Required	No
Built-In Equalizer	No
STANDARDS & COMPLIANCE	
Certifications	Tested to CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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