

## DisplayPort over IP Transmitter/Receiver/Extender Kit, RS-232 Serial and IR Control, 1080p 60 Hz, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-101-DPSI**



Converts DisplayPort™ audio/video to an IP-based signal that is transmitted point-to-point to a display 328 ft. away via Cat5e/6 cable or through a dedicated Ethernet network switch.

### Description

The B160-101-DPSI DisplayPort over IP Transmitter/Receiver/Extender Kit extends and distributes DisplayPort audio/video, RS-232 serial and IR (infrared) remote signals from the source to the display located up to 328.08-ft. (100 m) away, which is more than 200-ft. (60.96 m) farther than a traditional Cat5e/6 solution. By adding a chain of low-cost unmanaged network switches, such as Tripp Lite's NG5, you can continue extending the distance between source and display up to 328.08-ft. (100 m) per switch.

Create a multi-in, multi-out installation with up to 64 transmitters and 255 receivers\* by including dedicated managed Ethernet network switches\*\* with Internet Group Management Protocol (IGMP), such as Tripp Lite's NSS-G16D2. You can send the DisplayPort video source to any analog or digital display, including VGA and HDMI, allowing you to mix and match technologies and use existing monitors. The IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays.

The B160-101-DPSI supports video resolutions up to 1920 x 1080 (1080p) at 60 Hz in a point-to-multipoint switch installation. It extends IR control signals that control a source, such as a Blu-ray™ player, to a remote display, as well as RS-232 signals at serial baud rates up to 57600 Bps. The transmitter and receiver units mount to a wall, rack or pole using the including hardware.

\*Unmanaged switch installations are limited to two transmitter units. Number of receivers is limited to number of ports remaining on unmanaged switch.

\*\*B160-Series designed for use with dedicated network switch. Connecting to a switch used with other

### Highlights

- Units connect point-to-point without a switch up to 328.08-ft. (100 m)
- Supports video resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- HDMI output on transmitter for connecting local display
- Plug and play—no software or drivers required

### Package Includes

- Transmitter unit
- Receiver unit
- (2) External power supplies (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V 2A)
- Plug adapters for U.S., U.K., Europe and Australia
- IR-In cable
- IR-Out cable
- 3.5 mm to DB9 adapter cable (M/F)
- 3.5 mm to DB9 adapter cable (M/M)
- Mounting hardware
- Owner's manual

networking equipment will result in degraded or non-functional performance.

## Features

### Extends and Distributes DisplayPort A/V, Serial and IR Control Signals over Cat5e/6 Cabling

- Converts audio/video to an IP-based signal that is transmitted point-to-point to a display 328.08-ft. (100 m) away
- Add low-cost network switches between transmitter and receiver to continue extending distance up to 328.08-ft. (100 m) per switch
- HDMI output on transmitter for connecting a local display

### Create a Multi-In, Multi-Out Installation Using B160-Series Transmitters and Receivers

- Connect up to 64 transmitters and 255 receivers through multiple dedicated managed network switches
- IGMP-enabled switches allow centralized control over which sources show on which displays
- Video source can be sent to any analog or digital display, so you can mix and match technologies and use existing monitors

### Enhanced Technical Features

- Supports video resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Uses H.264 video compression standard
- Transmits on 20-60 kHz IR frequency
- Extends IR control signals that control a source from a remote display
- Supports RS-232 serial baud rates up to 57600 Bps
- HDCP and 3D compatible

### Plug-and-Play Functionality

- No software or drivers required
- Hardware included for mounting on wall, rack or pole

### TAA-Compliant

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

OVERVIEW	
UPC Code	037332196798
Product Type	Extender Kit
Technology	DisplayPort; IR; 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
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	DisplayPort
Receiver - Number of Video Outputs	1
Signal Range (ft)	328 via Cat6 275 via Cat5e
Signal Range (m)	100 via Cat6 84 via Cat5e
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
<b>AUDIO</b>	
Audio Input	Displayport
Audio Output	Displayport
Audio Specification	Stereo Audio
<b>INPUT</b>	
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50-60Hz / 1.0A
AC Power Adapter Output Specs (V / A)	5V/2A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
Bus Powered	No
<b>POWER</b>	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve

Power Consumption (Watts)	12.3
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	TX & RX: RJ45 (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Steel
Included Mounting Accessories	Wallmount
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.)	1.2 x 5 x 3.9
Receiver Unit Weight (lbs.)	0.2
Shipping Dimensions (hwd / in.)	3.10 x 5.80 x 11.30
Shipping Weight (lbs.)	2.90
Transmitter Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9
Transmitter Unit Weight (lbs.)	0.2
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
Unit Packaging Type	Box
Housing	Metal
<b>ENVIRONMENTAL</b>	
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
BTUs	42 BTU/Hr
<b>COMMUNICATIONS</b>	
Signal Range (ft.)	328
Signal Range (m)	100
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
<b>CONNECTIONS</b>	
Number of Ports	1
Side A - Connector 1	DISPLAYPORT (FEMALE); HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
<b>FEATURES &amp; SPECIFICATIONS</b>	
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
Displayport Specification	1.2
HDCP Specification	1.4
Driver Required	No
Recommended Category Cable	N202-Series Cat6 Patch Cable
<b>STANDARDS &amp; COMPLIANCE</b>	
External Power Supply Certifications	BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty