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

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

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
AUDIO	
Audio Input	Displayport
Audio Output	Displayport
Audio Specification	Stereo Audio
INPUT	
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
POWER	
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
CONNECTIONS	
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)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	TX & RX: RJ45 (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)
PHYSICAL	
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 B110-DIN-02
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
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
BTUs	42 BTU/Hr
COMMUNICATIONS	
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
FEATURES & SPECIFICATIONS	
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
STANDARDS & COMPLIANCE	
External Power Supply Certifications	BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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