

DisplayPort over IP Extender Transmitter over Cat5/Cat6, RS-232 Serial and IR Control, 1920 x 1080, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-001-DPSI**



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

Description

The B160-001-DPSI DisplayPort over IP Extender Transmitter works with a Tripp Lite B160-Series receiver (sold separately) to extend and distribute DisplayPort audio/video, RS-232 serial and IR (infrared) remote signals from the source to the display located up to 328 feet (100 meters) away, which is more than 200 feet 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 feet per switch.

The B160-001-DPSI displays a single source on a single display or distributes a single signal to multiple displays. Create a multi-in, multi-out installation with up to 64 transmitters and 255 receivers* by connecting dedicated managed Ethernet network switches** with Internet Group Management Protocol (IGMP), such as Tripp Lite's NSS-G16D2.

With a compatible B160-Series receiver, you can send the DisplayPort video source to any analog or digital display, including HDMI and VGA, allowing you to mix and match technologies and use existing monitors. An IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays.

The B160-001-DPSI supports video resolutions up to 1080i, though it's limited to the maximum resolution of the receiver. It mounts to a wall, rack or pole using the included hardware. An HDMI output port allows connection of a local display.

Highlights

- Compatible with Tripp Lite B160-Series A/V over IP receivers
- Video source can be sent to any analog or digital display
- Supports video resolutions up to 1920 x 1080, including 1080p - Limited to maximum resolution of receiver
- HDMI output on transmitter for connecting local display
- Plug and play—no software or drivers required

Package Includes

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



**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.*

Features

Distributes DisplayPort A/V, Serial and IR Control Signals over Cat5/6 Cabling

- Converts audio/video to an IP-based signal that is transmitted point-to-point to a display 328 ft. away
- Add low-cost network switches between transmitter and receiver to continue extending distance up to 328 ft. per switch
- HDMI output 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, including 1080p (limited to receiver's max resolution)
- 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 when used with a DisplayPort or HDMI receiver (not compatible with VGA receiver)

Plug-and-Play Functionality

- No software or drivers required
- Hardware included for mounting on wall, rack or pole
- Compatible with all Tripp Lite B160-Series A/V over IP receivers

TAA-Compliant

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

Specifications

OVERVIEW	
UPC Code	037332196668



INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
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 Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
External Power Supply Certifications	BSMI; CB; CE; FCC; GS; PSE; RCM; UL; cUL
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	RJ45 Output (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)
PHYSICAL	
Color	Black
Material of Construction	SECC
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.00 x 6.30 x 10.20
Shipping Weight (lbs.)	1.70
Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9
Unit Weight (kg)	0.09
Unit Weight (lbs.)	0.2
ENVIRONMENTAL	
Operating Temperature Range	14 to 167 F (-10 to 75 C)
Storage Temperature Range	-4 to 176 F (-20 to 80 C)
Relative Humidity	0% to 85%, Non-Condensing
BTUs	21.5 BTU/Hr
Power Consumption (Watts)	6.3
COMMUNICATIONS	
Signal Range (ft.)	328
Signal Range (m)	100
Latency	2-3 seconds



CONNECTIONS	
Ports	5
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side B - Connector 1	(2) 3.5MM (FEMALE); HDMI (FEMALE); RJ45 (FEMALE)
FEATURES & SPECIFICATIONS	
Max Supported Video Resolution	1920 x 1080 (1080p) @60Hz
Displayport Specification	1.2
HDMI Specification	1.4
HDCP Specification	1.4
Audio Specification	2 Channel Surround Sound
Driver Required	No
Recommended Category Cable	N202-Series Cat6 Patch Cable
Max Supported Color Depth	24-bit True Color
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
3D Video Supported	Yes
Technology	DisplayPort; IR; Serial (RS232); A/V over IP
CERTIFICATIONS	
Certifications	Tested to CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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