

DisplayPort over IP Extender Receiver over Cat5/Cat6, RS-232 Serial and IR Control, 1080p @ 60 Hz, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-100-DPSI**



Receives IP-based audio + video signal transmitted point-to-point from a source 328 ft. away via Cat5e/6 cable or through a dedicated Ethernet network switch.

Description

The B160-100-DPSI DisplayPort over IP Extender Receiver works with a Tripp Lite B160-Series transmitter (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.

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 transmitter, this receiver works with any analog or digital source, including HDMI and VGA, allowing you to mix and match technologies and use existing source devices. An IGMP-enabled switch will let you manage all connections for centralized control over which sources show on which displays.

The B160-100-DPSI supports video resolutions up to 1920 x 1080 (1080p) at 60 Hz. It extends IR control signals that control a source, such as a Blu-ray™ player, from a remote display, as well as RS-232 signals at serial baud rates up to 57600 Bps. It mounts to a wall, rack or pole using the included 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

- Compatible with Tripp Lite B160-Series A/V over IP transmitters
- Display video from any source, analog or digital
- Supports video resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Scales up to multi-in, multi-out installation with network switch
- Plug and play—no software or drivers required

Package Includes

- Receiver 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-In cable
- 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

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

- Receives IP-based audio/video transmitted point-to-point from a source 328 ft. away
- Add low-cost network switches between transmitter and receiver to continue extending distance up to 328 ft. per switch

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
- Displays video from any analog or digital source, so you can mix and match technologies and use existing sources and 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 when used with a DisplayPort or HDMI transmitter

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 transmitters

TAA-Compliant

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

Specifications

| OVERVIEW | |
|--|--|
| UPC Code | 037332196729 |
| 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 | 20.5 BTU/Hr |
| Power Consumption (Watts) | 6 |
| COMMUNICATIONS | |
| Signal Range (ft.) | 328 |
| Signal Range (m) | 100 |
| Latency | 2-3 seconds |
| CONNECTIONS | |
| Ports | 4 |
| Side A - Connector 1 | DISPLAYPORT (FEMALE) |
| Side B - Connector 1 | (2) 3.5MM (FEMALE); RJ45 (FEMALE) |



| FEATURES & SPECIFICATIONS | |
|--------------------------------------|--|
| Max Supported Video Resolution | 1920 x 1080 (1080p) @60Hz |
| Displayport Specification | 1.2 |
| 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 |

© 2019 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>