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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 |
| Technology | DisplayPort (all types); IR; Serial (RS232); A/V over IP |
| 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 | |
| Shipping Dimensions (hwd / in.) | 2.000 x 6.300 x 10.200 |
| Shipping Weight (lbs.) | 1.7000 |
| Unit Dimensions (hwd / in.) | 1.2 x 5 x 3.9 |
| Unit Weight (lbs.) | 0.2 |
| Unit Weight (kg) | 0.09 |
| Material of Construction | SECC |
| Color | Black |
| Rackmountable | Yes |
| 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 |
| CERTIFICATIONS | |
| Certifications | Tested to CE, FCC, RoHS, REACH |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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