VGA Audio + Video over IP Extender Receiver over Cat5/Cat6, RS-232 Serial and IR Control, 1920 x 1440, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-100-VSI**

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-VSI VGA Audio + Video over IP Extender Receiver works with a Tripp Lite B160-Series transmitter (sold separately) to extend and distribute VGA 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 DisplayPort™, 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-VSI supports video resolutions up to 1920 x 1440, including 1080p. 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

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 1440, including 1080p
- 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

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

VGA Audio + Video, 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 1440, including 1080p
- 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	037332196750
Technology	IR; Serial (RS232); VGA/SVGA; 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.)	2.100 x 6.400 x 10.200
Shipping Weight (lbs.)	1.8000
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	18.1 BTU/Hr
Power Consumption (Watts)	5.3
COMMUNICATIONS	
Signal Range (ft.)	328
Signal Range (m)	100
Latency	2-3 seconds
CONNECTIONS	
Ports	5

Side A - Connector 1	3.5MM (FEMALE); HD15 (FEMALE)
Side B - Connector 1	(2) 3.5MM (FEMALE); RJ45 (FEMALE)

FEATURES & SPECIFICATIONS	
Max Supported Video Resolution	1920 x 1440 (1080p) @60Hz
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