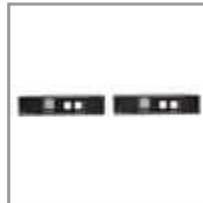# DVI/HDMI over IP Gigabit LAN Ethernet Extender Kit, RS-232 Serial and IR Control, 1080p @ 60 Hz, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-101-HDSI**

Highlights

- Units connect point-to-point without a switch up to 328 ft.
- 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
- (2) HDMI to DVI adapter cables
- Mounting hardware
- Owner's manual

Converts HDMI or DVI 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-HDSI HDMI over IP Gigabit LAN Ethernet Extender Kit extends and distributes HDMI or DVI 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 including 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 HDMI or DVI video source (a DVI adapter cable is included) to any analog or digital display, including VGA and DisplayPort™, 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-HDSI 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.

Features

Extends and Distributes HDMI/DVI 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 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	037332196781

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
Receiver Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9
Receiver Unit Weight (lbs.)	0.2
Shipping Dimensions (hwd / in.)	3.20 x 5.70 x 11.50
Shipping Weight (lbs.)	3.10
Transmitter Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9
Transmitter 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	34 BTU/Hr
Power Consumption (Watts)	10

COMMUNICATIONS

Signal Range (ft.)	328
Signal Range (m)	100
Latency	2-3 seconds

CONNECTIONS

Ports	1
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	3.5MM (FEMALE); DB9 (FEMALE); RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	3.5MM (FEMALE); DB9 (FEMALE); RJ45 (FEMALE)

FEATURES & SPECIFICATIONS

Max Supported Video Resolution	1920 x 1080 (1080p) @60Hz
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	DVI; HDMI; IR; Serial (RS232); A/V over IP
CERTIFICATIONS	
Certifications	Tested to CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty