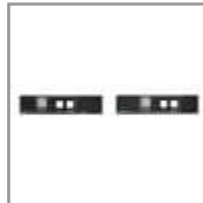# HDMI over IP Extender Kit with Built-in 2-Port Splitter, RS-232 Serial and IR Control, 1080p 60 Hz, 328 ft. (100 m), TAA

MODEL NUMBER: **B160-201-HSI**

Converts HDMI 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 B160-201-HSI 2-Port HDMI over IP Transmitter/Receiver/Extender Kit extends and distributes HDMI audio/video, RS-232 serial and IR (infrared) remote signals from the source to the display located up to 328.08-ft. (100 m) away, which is more than 200-ft. (60.96 m) 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 328.08-ft. (100 m) per switch. Two HDMI outputs on the receiver allow the connection of two displays.

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 video source 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 B160-201-HSI 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, from 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. The number of receivers is limited to the number of ports remaining on an 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 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 328.08-ft. (100 m) awayAdd low-cost network switches between transmitter and receiver to continue extending distance up to 328.08-ft. (100 m) per switchDual HDMI outputs on receiver for connecting 2 displaysHDMI 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 switchesIGMP-enabled switches allow centralized control over which sources show on which displaysVideo source can be sent to any analog or digital display, so you can mix and match technologies and use existing monitors

Highlights

- Units connect point-to-point without a switch up to 328.08-ft. (100 m)
- Supports video resolutions up to 1920 x 1080 (1080p) @ 60 Hz
- Dual HDMI outputs on receiver for connecting 2 displays
- 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
- 3.5 mm to DB9 adapter cable (M/M)
- Mounting hardware
- Owner's manual

Enhanced Technical Features Supports video resolutions up to 1920 x 1080 (1080p) @ 60 HzUses H.264 video compression standardTransmits on 20-60 kHz IR frequencyExtends IR control signals that control a source from a remote displaySupports RS-232 serial baud rates up to 57600 BpsHDCP and 3D compatible

Plug-and-Play Functionality No software or drivers requiredHardware 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	037332196811
Product Type	Extender Kit
Technology	DVI; HDMI; IR; A/V over IP; Cat5/5e; Cat6

VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Max Supported Video Resolution	1920 x 1080 (1080p @ 60Hz)
Max 1280 x 720 (720p) Range (ft)	328
Max 1920 x 1080 (1080p) Range (ft)	328
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	2
Range Extension using other Tripp Lite product	328 ft.
Recommended Cabling	N202-Series Cat6 Patch Cable
Other Tripp Lite product used to extend range	network switch
Max Supported Color Depth	24-bit True Color
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	328
Maximum Signal Range (m)	100
Maximum Signal Range Details	328 ft via Cat6275 ft via Cat5e

AUDIO	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	Stereo Audio

INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.0A
AC Power Adapter Output Specs (V / A)	5V / 2A
AC Power Adapter Cord Length (ft.)	4.5
AC Power Adapter Cord Length (m)	1.4
Voltage Compatibility (VAC)	100-240
Bus Powered	No

POWER	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve
Power Consumption (Watts)	12.6

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	RJ45 Output (Green / Power, Orange / Signal), Channel Signal (Red), Power (Green)

PHYSICAL	
Color	Black
Material of Construction	Steel
Included Mounting Accessories	Wallmount
Number of Displays	2
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket B110-DIN-02
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9
Receiver Unit Weight (lbs.)	0.2

Shipping Dimensions (hwd / in.)	3.10 x 5.90 x 11.50
Shipping Weight (lbs.)	3.30
Transmitter Unit Dimensions (hwd / in.)	1.2 x 5 x 3.9
Transmitter Unit Weight (lbs.)	0.2
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
Unit Packaging Type	Box
Housing	Metal

ENVIRONMENTAL	
Operating Temperature Range	32 to 104 F (0 to 40 C)
Storage Temperature Range	5 to 122 F (-15 to 50 C)
Relative Humidity	0% to 85%, Non-Condensing
BTUs	43 BTU/Hr

COMMUNICATIONS	
Signal Range (ft.)	328
Signal Range (m)	100
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
Latency	2-3 seconds
USB Extension Support	No

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

FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
HDCP Specification	1.4
Driver Required	No

Recommended Category Cable	N202-Series Cat6 Patch Cable
STANDARDS & COMPLIANCE	
External Power Supply Certifications	BSMI; CB; CCC; CE; FCC; GS; PSE; RCM; TUV; UL; cUL
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty