

HDMI over IP Decoder - 4K, 4:4:4, PoE, 328 ft. (100 m)

MODEL NUMBER: **B162-100-POE**



Receives an IP-based audio/video signal transmitted from a transmitter 328 ft. away via Cat6 cable or a dedicated Ethernet network switch.

Features

An Effective Digital Signage Solution Designed for Easy Setup and Operation

This Tripp Lite HDMI over IP extender receiver supports visually lossless 4K signals with low latency up to 328 feet (100 meters) from the source via a standard Gigabit Ethernet switch. Engineered to meet today's demands of large-scale, multi-display 4K signal transmission, the B162-100-POE is ideal for a wide range of indoor environments, such as trade shows, airports, university campuses, conference centers and shopping centers.

Lightweight Compression with Ultra-Low Latency

This receiver uses advanced video lossless compression technology to extend true 4K video at 60 Hz or true 4K video at 30 Hz with 4:4:4 chroma subsampling. Choose from three different levels of video compression rate to match your application, including Smooth, Balance and High Quality. LEDs indicate connection and power status.

Supports Power over Ethernet to Save You Money and Give You More Installation Choices

When installed in combination with a PoE Ethernet switch in a multipoint-to-multipoint setup, this PoE extender receiver can be powered through a shielded Cat6 cable, though an external power supply is included. Power over Ethernet gives you the flexibility to install the receiver in an area away from AC outlets, such as ceilings or high up on a wall or shelf. **Note:** *When power is available from both the Cat6 cable and the power supply, the power supply will receive priority.*

Limitless Scalability and Flexibility

Mix and match the latest 4K displays in simple point-to-point setups or more elaborate multipoint-to-multipoint setups via LAN (local area network) without distance limitations. In conjunction with Tripp Lite's B162-001-POE extender transmitters, this receiver offers multi-functionality in video wall and daisy-chain applications.

Collaboration with Control System

You can manage and configure the extender via CLI telnet, TCP or RS-232 commands from a connected computer. Just one click via touch panel or keypad is needed to operate a display, source and related equipment.

Spontaneous Scheduling Management

Highlights

- Requires connection to Tripp Lite B162-001-POE or other compatible transmitter
- Supports 4K @ 30 Hz video resolutions (4:4:4) as specified in HDMI 2.0
- PoE feature gives you the flexibility to install the unit away from AC outlets
- Extends multipoint-to-multipoint setup via LAN with no distance limitation
- Web GUI-based management needs no software or additional server computers

Applications

- Extend video signals from one room to another using Cat6 cable, which can pass through conduit to meet building codes
- Create multipoint-to-multipoint setups via LAN without distance limitations
- Gain flexibility in where the units are placed, with the freedom to move and relocate one away from an AC outlet
- Improve the line of sight for digital signage in a hotel, trade show, airport, university campus, conference center or shopping center

System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- Display device(s) with HDMI input (HDTV, projector, monitor)
- B162-001-POE extender transmitter
- Google Chrome, Mozilla Firefox or Opera web browser

Package Includes

- HDMI over IP Extender Receiver
- RS-232 terminal block
- External power supply with NEMA 1-15P plug (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V 3A)
- (4) Foot pads

A user-friendly scheduling management function lets you pre-plan the display schedule, manage events in the calendar and set events to one-minute intervals. You can integrate all B162-Series devices in the application to arrange the profile by grouping individual receivers or video walls. Multiple profiles may be arranged to play in any order over a selected period.

- Mounting brackets
- Quick Start Guide

No Complicated IP Setup

Switch effortlessly among input source devices via buttons on the top panel. No extensive IT experience is required to operate.

Web GUI-Based Management

Use a web browser or IP address to link directly to the receiver's built-in utility program, the DVOE Manager. It lets you configure settings, monitor statuses and create display templates.

Daisy-Chain Up to 30 Units

Connect multiple B162-100-POE receivers through a dedicated Ethernet network switch. Cabling and system deployment is easy with fewer cables needed. The daisy-chain function is especially ideal for large-scale deployment covering a wide area, such as hotels, airports, shopping malls and expo centers.

Note: Only the first level supports PoE. All B162-Series units connected on the second level and above need an external power supply.

Create a Video Wall

The B162-100-POE supports an 8 x 8 video wall (64 displays) in either horizontal or vertical orientation. This is done by utilizing a B162-001-POE encoder for each source device. Switching layout profiles, previewing the wall and dragging-and-dropping input sources is accomplished through the GUI.

De-Embedded Audio Support

The audio stream can be extracted from the HDMI signal and delivered as a separate audio signal. The receiver's 3.5 mm audio output allows connection of speakers.

Multiple Control Channels

Manage control methods via Ethernet or the top-panel buttons. USB 2.0 ports allow connection of virtual media or USB-A peripherals. A bi-directional IR channel allows IR transmission one way at a time. A bi-directional RS-232 serial port connects peripherals, such as touchscreens and barcode scanners. **Note:** In order to save bandwidth and optimize video performance, the USB, IR and RS-232 ports are disabled by default. Access the DVOE Manager to enable them.

Specifications

| OVERVIEW | |
|-------------------------------------|-------------------------|
| UPC Code | 037332263827 |
| Product Type | Receiver |
| Technology | Cat5/5e; Cat6; HDMI |
| VIDEO | |
| Max Supported Video Resolution | 3840 x 2160 (4K) @ 30Hz |
| Max. Distance (Between any 2 Units) | 100m |
| Receiver - Number of Video Outputs | 1 |
| Signal Range (ft) | 3 |
| Signal Range (m) | 0.91 |

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| Max Supported Color Depth | 36-bit Deep Color |
| HDR Support | Yes |
| INPUT | |
| AC Power Adapter Plug(s) | NEMA 1-15P North America |
| AC Power Adapter Input Specs (V / Hz / A) | 100-240V / 50/60Hz / 0.5A |
| AC Power Adapter Output Specs (V / A) | 5V / 3A |
| AC Power Adapter Cord Length (ft.) | 4.9 |
| AC Power Adapter Cord Length (m) | 1.5 |
| Voltage Compatibility (VAC) | 100; 110; 120; 125; 127; 200; 208; 220; 230; 240 |
| POWER | |
| Power Source Type | AC Adapter |
| Power Over Cable (PoC) Support | Yes |
| DC Barrel Plug | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve |
| Power Consumption (Watts) | 4.36 |
| Power Consumption Detail | DC: 3.49W; POE: 4.36W |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | Green (Power); Orange (Connection) |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Metal |
| Rackmountable | Yes |
| Shipping Dimensions (hwd / in.) | 2.44 x 11.14 x 6.81 |
| Shipping Dimensions (hwd / cm) | 6.20 x 28.30 x 17.30 |
| Shipping Weight (lbs.) | 1.98 |
| Shipping Weight (kg) | 0.90 |
| Unit Dimensions (hwd / in.) | 6.700 x 5.010 x 1.140 |
| Unit Dimensions (hwd / cm) | 17.02 x 12.72 x 2.9 |
| Unit Packaging Type | Box |
| Unit Weight (lbs.) | 1.48 |
| Unit Weight (kg) | 0.67 |
| ENVIRONMENTAL | |

| | |
|--------------------------------------|-----------------------------|
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | -4° to 140°F (-20° to 60°C) |
| Relative Humidity | 0 to 80% RH, Non-Condensing |
| BTUs | DC: 16BTU; POE: 20BTU |
| COMMUNICATIONS | |
| Signal Range (ft.) | 9.8 |
| Signal Range (m) | 3 |
| EDID Compatible | Yes |
| IR Remote Extension Support | Yes |
| RS-232 Serial Extension Support | Yes |
| USB Extension Support | Yes |
| CONNECTIONS | |
| Number of Ports | 2 |
| Side A - Connector 1 | (2) RJ45 (FEMALE) |
| Side B - Connector 1 | HDMI (FEMALE) |
| Side B - Connector 2 | (2) 3.5MM (FEMALE) |
| Side B - Connector 3 | (2) USB A (FEMALE) |
| Connector Plating | Nickel |
| Daisy-chainable / Cascadable | Yes |
| Daisy-chainable / Cascadable Details | Up to 30 Units |
| FEATURES & SPECIFICATIONS | |
| 10/100 Ethernet Extension Support | Yes |
| Integrated/Removable Cable | No |
| MST Support | No |
| Mounting Accessory Included | No |
| Multi-Resolution Support | No |
| Port Selection | Pushbutton |
| HDCP Specification | 1.4 |
| Driver Required | No |
| Recommended Category Cable | Cat5e / Cat6 |
| DIN Mountable | No |
| STANDARDS & COMPLIANCE | |

TRIPP-LITE

by **EAT•N**

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Cleveland, OH 44122
United States

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|--------------------------------------|--|
| External Power Supply Certifications | CE; FCC; PSE; RoHS; UL; WEEE |
| Product Certifications | NOM (Mexico) |
| Product Compliance | RoHS; CE (Europe); REACH; WEEE; Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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