

HDMI over Cat5/6 Extender Kit, Box-Style Transmitter/Receiver for Video/Audio, IR, Up to 125 ft. (38 m), TAA

MODEL NUMBER: B126-1A1-IR



Transmitter and receiver work in tandem to extend HDMI and IR signals via Cat5e/6 cable to a projector, monitor or television. Ideal for digital signs, trade shows, classrooms, churches, offices and retail settings.

Description

The B126-1A1-IR HDMI over Cat5/6 Active Extender Kit includes a transmitter unit and a receiver unit that work in tandem to extend HDMI audio/video and IR remote control signals to a projector, monitor or television. The kit is ideal for digital signs, trade shows, classrooms, churches, offices, retail settings and other applications where the source is located farther than conventional cables allow.

HDMI cable (see P569-Series) connects a local display and the audio/video source to the transmitter unit and a remote display to the receiver unit. Cat5e/6 cable connects the two units (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as N202-Series). Included IR-IN and IR-OUT cables allow you to control the video source, such as a media server, while standing at the remote display.

The B126-1A1-IR can extend a 1080p (60 Hz) signal up to 125 feet (38.1 meters). In addition to crystal-clear video, the B126-1A1-IR delivers full, rich stereo and 7.1-channel surround sound (multi-channel or PCM) audio. Built-in equalization control lets you fine-tune the image quality at each remote display. Supports 24-bit True Color (8 bits per channel) and HDCP. Easy to set up with no software or drivers to install. Mounts to a wall, rack or pole using the included hardware.

Features

Extends High-Definition Signals

- Extends a 1080p (60 Hz) signal up to 125-ft. (38.1 m)
- IR functionality lets you control your Blu-ray player while standing at the remote display
- Transmitter and receiver connect with one Cat5e/6 cable (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as N202-Series)
- Supports stereo and 7.1-channel surround sound (multi-channel or PCM) audio
- Supports 24-bit True Color (8 bits per channel) and HDCP
- Built-in equalization control lets you adjust the image on the local monitor

Easy to Set Up and Use

- Plug-and-play engineering—no software or drivers to download and install
- Works with all operating systems and HDMI sources

Highlights

- Supports high-definition video resolutions up to 1080p (60 Hz)
- Supports stereo and 7.1-channel surround sound audio
- Included IR cables allow display-side control of video source
- Plug and play—no software or drivers to install
- Built-in equalization control lets you adjust monitor image

System Requirements

Package Includes

- Transmitter unit
- Receiver unit
- IR-IN cable
- IR-OUT cable
- Screwdriver for adjusting equalization
- (2) External power supplies with NEMA 1-15P plugs (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A)
- Mounting hardware
- Owner's manual

- Units connect quickly to source and displays with HDMI cable, such as P569-Series
- Units install on a wall, rack or pole with the included hardware

TAA-Compliant

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

| OVERVIEW | |
|---------------------------------------|---|
| UPC Code | 037332191328 |
| Product Type | Extender Kit |
| Technology | HDMI; IR; 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) | 125 |
| Max 1920 x 1080 (1080p) Range (ft) | 125 |
| 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 | 1 |
| Recommended Cabling | N202-Series Cat6 Patch Cable |
| Max Supported Color Depth | 24-bit True Color |
| HDR Support | No |
| 3D Video Supported | Yes |
| Chroma Sub Sampling | 4:4:4 |
| Maximum Signal Range (ft) | 125 |
| Maximum Signal Range (m) | 38 |
| Maximum Signal Range Details | 1080p (60 Hz) signal up to 125-ft. (38.1 m) |
| AUDIO | |
| Audio Input | HDMI; 3.5mm |
| Audio Output | HDMI |

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| Audio Specification | Stereo Audio |
| 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 / 2A |
| AC Power Adapter Cord Length (ft.) | 4.5 |
| AC Power Adapter Cord Length (m) | 1.37 |
| Bus Powered | No |
| POWER | |
| Power Source Type | AC Adapter |
| AC Plug Type | NEMA 1-15P |
| Power Source | Transmitter and Receiver (Included) |
| Power Over Cable (PoC) Support | No |
| AC Adapter | Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5 ft. |
| DC Barrel Plug | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | TX & RX: Green (Power), Orange (Activity) |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Steel |
| Included Mounting Accessories | Wallmount |
| Number of Displays | 1 |
| 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 / cm.) | 2.6 x 9.2 x 6.4 |
| Receiver Unit Dimensions (hwd / in.) | 1 x 3.6 x 2.5 |
| Receiver Unit Weight (kg) | 0.09 |
| Receiver Unit Weight (lbs.) | 0.2 |
| Shipping Dimensions (hwd / in.) | 8.43 x 6.50 x 2.20 |
| Shipping Dimensions (hwd / cm) | 21.41 x 16.51 x 5.59 |

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| Shipping Weight (lbs.) | 1.80 |
| Shipping Weight (kg) | 0.82 |
| Transmitter Unit Dimensions (hwd / cm.) | 2.6 x 9.2 x 6.4 |
| Transmitter Unit Dimensions (hwd / in.) | 1 x 3.6 x 2.5 |
| Transmitter Unit Weight (kg) | 0.09 |
| 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 |
| COMMUNICATIONS | |
| Signal Range (ft.) | 125 |
| Signal Range (m) | 38 |
| EDID Compatible | Yes |
| IR Remote Extension Support | Yes |
| RS-232 Serial Extension Support | No |
| Consumer Electronics Control (CEC) Supported | Yes |
| USB Extension Support | No |
| CONNECTIONS | |
| Number of Ports | 2 |
| Side A - Connector 1 | (2) HDMI (FEMALE) |
| Side A - Connector 2 | (2) 3.5MM (FEMALE) |
| Side A - Connector 3 | RJ45 (FEMALE) |
| Side B - Connector 1 | HDMI (FEMALE) |
| Side B - Connector 2 | 3.5MM (FEMALE) |
| Side B - Connector 3 | RJ45 (FEMALE) |
| Daisy-chainable / Cascadable | Yes |
| Daisy-chainable / Cascadable Details | Requires B126-110 |

| FEATURES & SPECIFICATIONS | |
|--------------------------------------|--|
| 10/100 Ethernet Extension Support | No |
| Built-In Equalizer | Yes |
| HDCP Specification | 1.4 |
| Driver Required | No |
| Recommended Category Cable | Cat5/Cat5e/Cat6 Cables |
| STANDARDS & COMPLIANCE | |
| External Power Supply Certifications | FCC; PSE; TUV;RoHS; UL; cUL |
| Product Compliance | RoHS; REACH; FCC (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |