

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

MODEL NUMBER: B126-1A1-POC



Transmitter and receiver work in tandem to extend an HDMI signal via Cat5e/6/6a cable to a projector, monitor or television up to 125 ft. away. Ideal for digital signs, classrooms, churches, offices and retail settings.

Description

The B126-1A1-POC HDMI over Cat5 Active Extender Kit includes a transmitter unit and a receiver unit that work in tandem to extend an HDMI audio/video signal 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 an optional local display and the audio/video source, such as a media server, to the transmitter's HDMI ports and a remote display to the receiver. Cat5e/6/6a cable connects the two units (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as N202-Series). Built-in Power over Cable (PoC) technology powers the receiver over Cat5e/6/6a cable, so no external power supply on the display side is needed.

The B126-1A1-POC can extend a high-definition 1080p (@ 60 Hz) signal up to 125 feet (38.1 meters). In addition to crystal-clear video, the B126-1A1-POC delivers full, rich stereo and 7.1-channel surround sound (multi-channel or PCM). Built-in equalization control lets you fine-tune the image quality at the 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. Complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Features

Extends High-Definition Signals

- Extends a 1080p (@ 60 Hz) signal up to 125-ft. (38.1 m)
- Transmitter and receiver connect with one Cat5e/6/6a 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 video sources

Highlights

- Built-in Power over Cable (PoC) technology powers the receiver
- Supports high-definition video resolutions up to 1080p (@ 60 Hz)
- Supports stereo and 7.1-channel surround sound audio
- Built-in equalization control lets you adjust monitor image
- Plug and play—no software or drivers to install

System Requirements

Package Includes

- Transmitter unit
- Receiver unit
- Screwdriver for adjusting equalization
- External power supply with NEMA 1-15P plug and 5-ft. (1.52 m) cord (Input: 100-240V, 50/60 Hz, 0.5A; Output: 5V, 2A)
- Mounting hardware
- Owner's manual



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- Units connect quickly to monitors with HDMI cable, such as P569-Series
- LEDs indicate at a glance when the units are receiving power and an HDMI signal
- Included mounting hardware lets you install the units on a wall, rack or pole

TAA Compliant

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

Specifications

| OVERVIEW | |
|---------------------------------------|------------------------------|
| UPC Code | 037332193117 |
| Product Type | Extender Kit |
| Technology | HDMI; Cat5/5e; Cat6; POC |
| VIDEO | |
| 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 |
| AUDIO | |
| Audio Input | HDMI; 3.5mm |
| Audio Output | HDMI |
| 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 end only (Included) |
| Power Over Cable (PoC) Support | Yes |
| 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 |
| CONNECTIONS | |
| Side A - Connector 1 | (2) HDMI (FEMALE) |
| Side A - Connector 2 | RJ45 (FEMALE) |
| Side A - Connector 3 | 3.5MM (FEMALE) |
| Side B - Connector 1 | HDMI (FEMALE) |
| Side B - Connector 2 | RJ45 (FEMALE) |
| Daisy-chainable / Cascadable | Yes |
| Daisy-chainable / Cascadable Details | Requires B126-110 |
| 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 |



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|--|----------------------------|
| 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.) | 2.17 x 8.43 x 6.46 |
| Shipping Dimensions (hwd / cm) | 5.51 x 21.41 x 16.41 |
| Shipping Weight (lbs.) | 1.43 |
| Shipping Weight (kg) | 0.65 |
| 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 | No |
| RS-232 Serial Extension Support | No |
| Consumer Electronics Control (CEC) Supported | Yes |
| USB Extension Support | No |
| 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 |



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| 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 |

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