

1 x 2 HDMI over Cat5/6 Extender Kit, Box-Style Transmitter/Receiver for Video/Audio, Up to 150 ft. (45 m), TAA

MODEL NUMBER: **B126-2A1**



Transmitter and receiver work in tandem to extend an HDMI signal via a single Cat5e/6 cable to 2 projectors, monitors or televisions. Ideal for digital signs, schools and trade show presentations.

Description

The B126-2A1 HDMI over Cat5/Cat6 Extender Kit includes a transmitter unit and a receiver unit that work in tandem to extend an HDMI signal to two projectors, monitors or televisions. The kit is ideal for digital signs, trade shows, presentations, classrooms, churches, retail settings and other applications where the video source is located farther than conventional cables allow or that require multiple displays connected to one source.

HDMI cable (see the P568-Series) connects the local monitor and the audio/video source to the transmitter's HDMI ports and two monitors to the receiver. Cat5e/6 cable (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as the N202-Series) connects the two units.

The B126-2A1 can extend a 1080i (60 Hz) signal up to 200 feet (61 meters), a 1080p (60 Hz) signal up to 150 feet (45.7 meters) and a 3D signal up to 125 feet (38.1 meters). You can connect up to three B126-110 remote repeaters in the chain for a maximum of six HDMI displays and full signal extension of 700 feet (213 meters) (1080i), 500 feet (152 meters) (1080p) or 400 feet (122 meters) (3D).

In addition to crystal-clear video, the B126-2A1 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 compatibility. 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 1080i (60 Hz) signal up to 200-ft. (61 m), a 1080p (60 Hz) signal up to 150-ft. (45.7 m) and a 3D signal up to 125-ft. (38.1 m)
- Connect up to 3 B126-110 remote repeaters to the chain for maximum signal range of 700-ft. (213.36 m) (1080i), 500-ft. (152.4 m) (1080p) and 400-ft. (121.92 m) (3D)
- 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 the Latest Video and Audio Resolutions

- Works with all operating systems and HDMI video sources
- Supports HD resolutions up to 1080p (60 Hz)
- Supports stereo and 7.1-channel surround sound (multi-channel or PCM) audio

Highlights

- Supports high-definition video resolutions up to 1080p (60 Hz)
- Supports stereo and 7.1-channel surround sound audio
- Works with all operating systems and HDMI video sources
- 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
- Screwdriver for adjusting equalization
- (2) External Power Supplies with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A, 5-ft. (1.52 m))
- Mounting hardware
- Owner's Manual

- 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
- Units connect quickly to monitors with HDMI cable, such as P568-Series
- LEDs indicate at a glance when the unit is receiving power and a signal from the previous link in the chain
- Included mounting hardware lets you install the units on a wall, rack or pole

TAA-Compliant

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

Specifications

| OVERVIEW | |
|--|---------------------------------|
| UPC Code | 037332180735 |
| Product Type | Splitter; Extender Kit |
| Technology | HDMI; Cat5/5e; Cat6 |
| Host Connector | HDMI (FEMALE) |
| VIDEO | |
| Video Input | HDMI (FEMALE) |
| Video Output | HDMI (FEMALE) |
| Max Supported Video Resolution | 1920 x 1080 (1080p) @ 60Hz |
| Max 720P Range (ft) | 200 |
| Max 1080P Range (ft) | 150 |
| Max 1280 x 720 (720p) Range (ft) | 150 |
| Max 1920 x 1080 (1080p) Range (ft) | 150 |
| 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 | 175 ft. @ 1080i 125 ft. @ 1080p |
| Recommended Cabling | N202-Series Cat6 Patch Cable |
| Other Tripp Lite product used to extend range | B126-110 |



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|---|---|
| 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) | 150 |
| Maximum Signal Range (m) | 46 |
| Maximum Signal Range Details | 200 ft @ 1080i150 ft @ 1080p |
| AUDIO | |
| Audio Input | HDMI |
| 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 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 |
| CONNECTIONS | |
| Number of Ports | 2 |
| Side A - Connector 1 | (2) HDMI (FEMALE) |
| Side A - Connector 2 | RJ45 (FEMALE) |
| Side B - Connector 1 | (2) HDMI (FEMALE) |
| Side B - Connector 2 | RJ45 (FEMALE) |
| Input x Output | 1 x 2 |
| Daisy-chainable / Cascadable | Yes |

| | |
|--|--|
| Daisy-chainable / Cascadable Details | Requires B126-110 |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | Green (Power), Orange (Activity) |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Steel |
| Cable Length (ft.) | 0 |
| Cable Length (m) | 0.00 |
| 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 / cm.) | 2.54 x 6.35 x 9.14 |
| Receiver Unit Dimensions (hwd / in.) | 1 x 2.5 x 3.6 |
| Receiver Unit Weight (kg) | 0.09 |
| Receiver Unit Weight (lbs.) | 0.2 |
| Shipping Dimensions (hwd / in.) | 8.40 x 6.50 x 2.20 |
| Shipping Dimensions (hwd / cm.) | 21.34 x 16.51 x 5.59 |
| Shipping Weight (lbs.) | 1.80 |
| Shipping Weight (kg) | 0.82 |
| Transmitter Unit Dimensions (hwd / cm.) | 2.54 x 6.35 x 9.14 |
| Transmitter Unit Dimensions (hwd / in.) | 1 x 2.5 x 3.6 |
| Transmitter Unit Weight (kg) | 0.09 |
| Transmitter Unit Weight (lbs.) | 0.2 |
| Unit Packaging Type | Box |
| Housing | Metal |
| Mounting Details | Wallmount |
| 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 | 0-85% non-condensing |



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| COMMUNICATIONS | |
|--|--|
| Max 1024 x 768 Range (ft) | 200 |
| Max 480P Range (ft) | 200 |
| Max 1440 x 900 Range (ft) | 200 |
| Max 1080i Range (ft) | 200 |
| Max 480i Range (ft) | 200 |
| Max 640 x 480 Range (ft) | 200 |
| Max 800 x 600 Range (ft) | 200 |
| Max 1600 x 1200 Range (ft) | 200 |
| 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 |
| MST 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 |

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