

HDMI over Cat5/6 Extender Kit, Transmitter/Receiver, 4K, Serial and IR Control, Up to 328 ft. (100 m), TAA

MODEL NUMBER: **B126-1A1SR**



Transmit HDMI video and audio, RS-232 serial and IR Remote Control signals over a single Cat5e/6 cable up to 328 ft. to a projector, monitor or television. Ideal for digital signs and trade show presentations.

Description

The B126-1A1SR HDMI over Cat5/Cat6 Extender Kit includes a transmitter unit and a receiver unit that work in tandem to extend HDMI audio and video, RS-232 serial and IR Remote Control signals to a projector, monitor or television. 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.

How far you can extend the signals depends on the cable you use to connect the transmitter and receiver. You can extend a 3840 x 2160 (4K x 2K) Ultra High Definition (UHD) signal at 24/30 Hz up to 328 feet (100 meters) with a single Cat6a cable, up to 230 feet (70.1 meters) with a 24 AWG solid-wire Cat6 cable (N202-Series) and up to 150 feet (45.7 meters) with a 26 AWG solid-wire Cat5e cable (N001- and N002-Series).

For extending computer video resolutions of 1920 x 1200 at 60 Hz or high-definition video resolutions of 1080p at 60 Hz up to 328 feet, use a single 24 AWG solid-wire Cat5e/6 cable, such as the N202-Series. You can also control RS-232 serial devices, such as touchscreen displays or scanners, at baud rates up to 115 Kbps.

The B126-1A1SR supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio, as well as 3D video 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

- 328 ft. (100 m) with a single Cat6a cable
- 230-ft. (70.1 m) with a 24 AWG solid-wire Cat6 cable (N202-Series)
- 150-ft. (45.7 m) with a 26 AWG solid-wire Cat5e cable (N001- and N002-Series)

Highlights

- Extends a 3840 x 2160 (4K x 2K) @ 24/30Hz signal up to 328.08-ft. (100 m)
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD
- Controls RS-232 serial devices at baud rates up to 115 Kbps
- Works with all operating systems and HDMI video sources
- Plug and play—no software or drivers to install

Package Includes

- Transmitter unit
- Receiver unit
- (2) IR-IN cables
- (2) IR-OUT cables
- 3.5 mm Male to DB9 Female adapter cable
- 3.5 mm Male to DB9 Male adapter cable
- (2) External Power Supplies with NEMA 1-15P Plug (Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 3A)
- Mounting hardware
- Owner's Manual



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Supports the Latest Video and Audio Resolutions

- Works with all operating systems and HDMI video sources
- Supports 7.1-channel surround sound, DTS-HD and Dolby TrueHD audio
- Supports 3D video and HDCP

Allows You to Control Other Display Devices

- 2-way 39 KHz IR Remote Control functionality lets you control your Blu-ray player with its remote while standing at the remote monitor (and vice versa)
- RS-232 serial port supports 115 Kbps full-duplex baud rates for scanners and touchscreen monitors

Easy to Set Up and Use

- Plug-and-play engineering—no software or drivers to download and install
- Units connect quickly to source and display with HDMI cable (P568-Series)
- Included mounting hardware lets you install each unit on a wall, rack or pole

TAA-Compliant

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

Specifications

| OVERVIEW | |
|---------------------------------------|------------------------------|
| UPC Code | 037332171108 |
| Product Type | Extender Kit |
| Technology | HDMI; IR; Cat5/5e; Cat6 |
| VIDEO | |
| Max Supported Video Resolution | 3840 x 2160 (4K @ 30Hz) |
| Max 1280 x 720 (720p) Range (ft) | 328 |
| Max 1920 x 1080 (1080p) Range (ft) | 328 |
| Max 1920 x 1200 Range (ft) | 328 |
| Max 2560 x 1600 Range (ft) | 328 |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 328 |
| Transmitter Video Input | HDMI |
| Transmitter - Number of Video Outputs | 1 |
| Receiver/Transceiver Video Output | HDMI |
| Receiver - Number of Video Outputs | 1 |
| Recommended Cabling | N202-Series Cat6 Patch Cable |



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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) | 328 |
| Maximum Signal Range (m) | 100 |
| AUDIO | |
| Audio Input | HDMI |
| Audio Output | HDMI |
| Audio Specification | 7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD |
| INPUT | |
| AC Power Adapter Plug(s) | 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 / 3A |
| 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, 3A |
| DC Barrel Plug | OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve |
| CONNECTIONS | |
| Side A - Connector 1 | HDMI (FEMALE) |
| Side A - Connector 2 | (3) 3.5MM (FEMALE) |
| Side A - Connector 3 | RJ45 (FEMALE) |
| Side B - Connector 1 | HDMI (FEMALE) |
| Side B - Connector 2 | RJ45 (FEMALE) |
| Side B - Connector 3 | (3) 3.5MM (FEMALE) |
| Daisy-chainable / Cascadable | Yes |



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|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-01 |
| Form Factor/Mounting Options | Box; Wall-mount |
| Rackmountable | Yes |
| Receiver Unit Dimensions (hwd / cm.) | 2.7 x 11.5 x 6.24 |
| Receiver Unit Dimensions (hwd / in.) | 1.1 x 4.5 x 2.5 |
| Receiver Unit Weight (kg) | 0.39 |
| Receiver Unit Weight (lbs.) | 0.85 |
| Shipping Dimensions (hwd / in.) | 2.00 x 6.20 x 11.30 |
| Shipping Dimensions (hwd / cm) | 5.08 x 15.75 x 28.70 |
| Shipping Weight (lbs.) | 2.40 |
| Shipping Weight (kg) | 1.09 |
| Transmitter Unit Dimensions (hwd / cm.) | 2.7 x 11.5 x 6.24 |
| Transmitter Unit Dimensions (hwd / in.) | 1.1 x 4.5 x 2.5 |
| Transmitter Unit Weight (kg) | 0.39 |
| Transmitter Unit Weight (lbs.) | 0.85 |
| 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.) | 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 |
| USB Extension Support | No |
| FEATURES & SPECIFICATIONS | |
| 10/100 Ethernet Extension Support | No |
| Built-In Equalizer | No |
| HDCP Specification | 1.4 |
| Driver Required | No |
| Recommended Category Cable | Cat5/Cat5e/Cat6 Cables |
| STANDARDS & COMPLIANCE | |
| External Power Supply Certifications | FCC; 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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