

## 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

Audio Specification	Stereo Audio
<b>INPUT</b>	
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
<b>POWER</b>	
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
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	TX & RX: Green (Power), Orange (Activity)
<b>PHYSICAL</b>	
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 <a href="https://triplite.eaton.com/din-rail-mounting-bracket-for-digital-signage-version-2-B110-DIN-02">B110-DIN-02</a>
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

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
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
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
<b>CONNECTIONS</b>	
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