

# 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

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 @ 1080i/150 ft @ 1080p
<b>AUDIO</b>	
Audio Input	HDMI
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>CONNECTIONS</b>	
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
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	Green (Power), Orange (Activity)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Steel
Cable Length (ft.)	0
Cable Length (m)	0.00
Included Mounting Accessories	Wallmount
Number of Displays	2
Optional Mounting Accessory Notes	Can DIN Mount using Tripp Lite Bracket <a href="//tripplite.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.)	2.54 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
<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



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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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