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

#### MODEL NUMBER: B126-1A1



Transmitter and receiver work in tandem to extend an HDMI signal via Cat5e/6 cable to a projector, monitor or television. Ideal for digital signs, schools and trade show presentations.

#### Description

The B126-1A1 HDMI over Cat5/Cat6 Active Extender Kit includes a transmitter unit and a receiver unit that work in tandem to extend an HDMI signal 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 source is located farther than conventional cables allow.

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

The B126-1A1 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 also connect up to three B126-110 remote repeaters in the chain (using Cat5e/6 cable) for a total of five HDMI displays and full signal extension of 700 feet (213.4 meters) (1080i), 500 feet (152.4 meters) (1080p) or 400 feet (122 meters) (3D).

In addition to crystal-clear video, the B126-1A1 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 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 in between the transmitter and receiver 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 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

#### Highlights

- Supports high-definition video resolutions up to 1080p (60 Hz)
- Supports stereo and 7.1channel 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

#### 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
- 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	037332158925
Product Type	Extender Kit
Technology	HDMI; 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)	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	1
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 @ 1080i150 ft @ 1080p	
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 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	
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 <a class="productLink" href="//tripplite.eaton.com/din-rail-mounting-&lt;br&gt;bracket-for-digital-signage-version-2~B110-DIN-02">B110-DIN-02</a>	
Form Factor/Mounting Options	Box; Wall-mount	

1000 Eaton Boulevard Cleveland, OH 44122 United States

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.)	2.20 x 6.20 x 8.30	
Shipping Dimensions (hwd / cm)	5.59 x 15.75 x 21.08	
Shipping Weight (lbs.)	1.70	
Shipping Weight (kg)	0.77	
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 × 0.000 × 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.)	200	
Signal Range (m)	61	
EDID Compatible	Yes	
IR Remote Extension Support	No	
RS-232 Serial Extension Support	No	
Consumer Electronics Control (CEC) Supported	Yes	
USB Extension Support	No	
CONNECTIONS		
Side A - Connector 1	(2) HDMI (FEMALE); RJ45 (FEMALE)	



Side B - Connector 1	HDMI (FEMALE)		
Side B - Connector 2	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		



© 2023 Eaton. All Rights Reserved. Eaton is a registered trademark. All other trademarks are the property of their respective owners.