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Powering Business Worldwide

HDMI over Cat5/6 Extender, Box-Style Remote Repeater for Video/Audio, Up to 125 ft. (38 m), TAA

MODEL NUMBER: **B126-110**

Works with Tripp Lite's B126-Series transmitters and receivers to extend an HDMI signal via Cat5e/6 cable to multiple projectors, monitors or televisions in a chain. Ideal for digital signs and trade show presentations.

Description

The B126-110 HDMI over Cat5/Cat6 Active Remote Repeater works with B126-Series transmitters and receivers to extend an HDMI signal to multiple projectors, monitors or televisions in a chain. It's 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.

The repeater uses HDMI cable (see P568-Series) to connect to the local monitor and Cat5e/6 cable to transmit to the receiver and/or other remote repeaters in the chain (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as N202-Series).

The B126-110 can extend a 1080i (60 Hz) signal up to 175 feet (53.3 meters), a 1080p (60 Hz) signal up to 125 feet (38.1 meters) and a 3D signal up to 100 feet. You can connect up to three B126-110 units in the chain for a total of four HDMI displays and full signal extension of 700 feet (1080i), 500 feet (1080p) or 400 feet (3D).

In addition to crystal-clear video, the B126-110 delivers full, rich stereo and 7.1-channel surround sound (multi-channel or PCM) audio when used with a B126-Series transmitter. 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 175-ft. (53.3 m), a 1080p (60 Hz) signal up to 125-ft. (38.1 m) and a 3D signal up to 100-ft. (30.5 m)

- Connect up to 3 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)

- Connects to next link in the chain 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)

Highlights

- Extends 1080i (60 Hz) signal up to 175-ft. (53.34 m)
- Connect up to 3 units in a chain for maximum extension
- Supports high-definition video resolutions up to 1080p (60 Hz)
- Supports stereo and 7.1-channel surround sound audio
- Plug and play—no software or drivers to install

System Requirements

- HDMI video source and displays

Package Includes

- B126-110 HDMI over Cat5/Cat6 Active Remote Repeater
- Screwdriver for adjusting equalization
- External Power Supply with NEMA 1-15P Plug(Input: 100–240V, 50/60 Hz, 0.5A; Output: 5V, 2A)
- Mounting hardware
- Owner's Manual

- Supports stereo and 7.1-channel surround sound (multi-channel or PCM) audio when paired with B126-002 or B126-004 transmitter unit

- 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

- Connects quickly to local monitor with HDMI cable, such as P568-Series

- Included mounting hardware lets you install the 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	037332168061
Product Type	Transceiver
Technology	HDMI; Cat5/5e; Cat6

VIDEO	
Max Supported Video Resolution	1920 x 1080 (1080p @ 60Hz)
Max. Distance (Between any 2 Units)	125 ft.
Max Number of Ports (Entire Chain)	4
Max 720P Range (ft)	175
Max 1080P Range (ft)	125
Max 1280 x 720 (720p) Range (ft)	125
Max 1920 x 1080 (1080p) Range (ft)	125
Transmitter - Number of Video Outputs	1
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

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	Unit (Included)
Power Over Cable (PoC) Support	No
AC Adapter	Input: 100-240V, 50/60Hz, 0.5A; Output: 5V, 2A
DC Barrel Plug	OD: 5.5 x 2.1 x 7.5mm, Positive Pin, Negative Sleeve

CONNECTIONS	
Number of Ports	1
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
Daisy-chainable / Cascadable	Yes
Daisy-chainable / Cascadable Details	Up to 4 Units

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Green (Power), Orange (Activity)

PHYSICAL	
Color	Black
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
Shipping Dimensions (hwd / in.)	2.10 x 6.20 x 7.20
Shipping Dimensions (hwd / cm)	5.33 x 15.75 x 18.29
Shipping Weight (lbs.)	1.08
Shipping Weight (kg)	0.49
Unit Dimensions (hwd / in.)	1.100 x 4.500 x 2.500
Unit Dimensions (hwd / cm)	2.54 x 11.43 x 6.35
Unit Packaging Type	Box
Unit Weight (lbs.)	0.2
Unit Weight (kg)	0.09
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

Max 1024 x 768 Range (ft)	175
Max 480P Range (ft)	175
Max 1440 x 900 Range (ft)	175
Max 1080i Range (ft)	175
Max 480i Range (ft)	175
Max 640 x 480 Range (ft)	175
Max 800 x 600 Range (ft)	175
Max 1600 x 1200 Range (ft)	175
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No

PORT EXPANSION

Daisy-chainable or Cascadable	Daisychainable and Cascadeable

FEATURES & SPECIFICATIONS

10/100 Ethernet Extension Support	No
Built-In Equalizer	Yes
HDCP Specification	1.4
Driver Required	No
Recommended Category Cable	Cat5/6

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