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/6/6a 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)

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

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

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
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
Mounting Details	Wallmount

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	0-85% 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