HDMI with Serial and IR Over Cat5 / Cat6 Extender, Extended Range HDBaseT Transmitter and Receiver, 3840 x 2160 4Kx2K UHD 1080p up to 60Hz

MODEL NUMBER: **B126-1A1SR**

Highlights

- Meets HDBaseT 1.0 specifications for transmitting audio/video and control signals
- Supports Ultra High Definition (UHD) 4Kx2K video resolutions up to 3840 x 2160 @ 24Hz
- Supports 7.1 channel surround sound, DTS-HD, and Dolby TrueHD audio
- IR functionality allows you to use your HDMI source's remote control in the same location as your extended monitor
- Supports RS232 Serial baud rates up to 115kbps full duplex, for control of devices such as touchscreens or scanners
- HDCP and 3D compatible

Package Includes

- Local Transmitter and Remote Receiver Units
- Two sets of IR-IN Cables
- Two sets of IR-OUT Cables
- 3.5 mm Male-to-DB9-Female Adapter Cable
- 3.5 mm Male-to-DB9-Male Adapter Cable
- Two sets of External Power Supplies (Input: 100-240V, 50/60 Hz, 0.5A Output: 5V, 2A)
- Two sets of Mounting Hardware Kits
- Owner's Manual

Description

The B126-1A1SR transmits HDMI, IR Remote, and Serial RS232 up to 328 ft. (100 m.) using a single Cat5e/6/6a cable. It supports Ultra High Definition (UHD) 4Kx2K video resolutions up to 3840 x 2160 @ 24Hz,. HDCP and 3D compliant, and supports 7.1 channel surround sound, DTS-HD, and Dolby TrueHD audio.

Meets HDBaseT 1.0 specifications for transmitting audio/video and control signals. RS232 connection allows for use with scanners and touch-screen monitors, supporting Baud rates up to 115kbps full duplex. IR functionality allows you to use your HDMI source's remote control in the same location as your extended monitor/TV. (IR frequency @ 39Khz) Kit includes mounting hardware to be wall mounted, rack mounted, or pole mounted.

When extending a 3840 x 2160 @ 24Hz Ultra High Definition (UHD) 4Kx2K video signal, use the following cables (sold separately):

- Cat6A (available from Tripp Lite as a custom order) for up to 328 ft. (100 m.)
- Cat6 cable (24AWG, Solid Wire cable required, such as Tripp Lite's N202-Series) for up to 230 ft. (70 m.)
- Cat5e cable (26AWG, Solid Wire cable required, such as Tripp Lite's N001- and N002-Series) for up to 150 ft. (45.7 m.)

When extending computer video resolutions of 1920 x 1200 @ 60Hz, or HD video resolutions of 1080p @ 60Hz, use Cat5e/6 cable (24AWG, Solid Wire cable required, such as Tripp Lite's N202-Series) to extend the signal up to 328 ft. (100 m.).

Features

- Meets HDBaseT 1.0 specifications for transmitting audio/video and control signals
- Supports Ultra High Definition (UHD) 4Kx2K video resolutions up to 3840 x 2160 @ 24Hz
- Extend a 3840 x 2160 @ 24Hz signal up to 328 ft. (100 m.) using Cat6a cable (available from Tripp Lite as a custom order)

- Extend a 3840 x 2160 @ 24Hz signal up to 230 ft. (70 m.) using Cat6 cable (24AWG, Solid wire cable required, such as Tripp Lite's N202-Series)
- Extend a 3840 x 2160 @ 24Hz signal up to 150 ft. (45.7 m.) using Cat5 cable (26AWG, Solid wire cable required, such as Tripp Lite's N001- and N002-Series)
- Extends a computer video signal of 1920 x 1200 @ 60Hz, or a HD signal of 1080p @ 60Hz, up to 328 ft. (100 m.) using Cat5e/6 patch cable (24AWG, Solid wire cable required, such as Tripp Lite's N202-Series)
- IR functionality allows you to use your HDMI source's remote control in the same location as your extended monitor
- Uses an IR frequency of 39 Khz
- Extend a full duplex RS232 serial signal, such as from a touchscreen monitor, up to 328 ft. (100m) from the source
- Supports RS232 serial baud rates up to 115kbps full duplex
- Supports 7.1-channel surround sound, DTS-HD and Dolby True HD audio
- HDCP and 3D compatible
- Plug and play; no software or drivers required
- Includes mounting hardware, allowing each unit to be wall mounted, rack mounted or pole mounted
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
Cable Type	CAT5/CAT5E
Display Style	Extender
Model Type	HDMI

PHYSICAL	
Mounting accessories included	Y
Color	Black

ENVIRONMENTAL	
Operating Temperature Range	0 to 40 C (32 to 104 F)
Storage Temperature Range	-20 to 60 C (-4 to 140 F)
Relative Humidity	20 to 90%

CONNECTIONS	
Connector A	HDMI (FEMALE)
Connector B	RJ45 (FEMALE)

WARRANTY	

Product Warranty Period (Worldwide)	1-year limited warranty

Related Items

Recommended Products

Model Number	Description	Qty.
N202-100-BL	100-ft. Cat6 Gigabit Solid Conductor Snagless Patch Cable (RJ45 M/M) - Blue	1
N202-125-BL	125-ft. Cat6 Gigabit Solid Conductor Snagless Patch Cable (RJ45 M/M) - Blue	1
N202-150-BL	150-ft. Cat6 Gigabit Solid Conductor Snagless Patch Cable (RJ45 M/M) - Blue	1
N202-175-BL	175-ft. Cat6 Gigabit Solid Conductor Snagless Patch Cable (RJ45 M/M) - Blue	1
N202-200-BL	200-ft. Cat6 Gigabit Solid Conductor Snagless Patch Cable (RJ45 M/M) - Blue	1

Optional Products

Model Number	Description	Qty.
B110-INT	International AC Adapter for Tripp Lite Video over CAT5 Extenders	1
B126-1A1	HDMI Over Cat5 Active Extender Kit	1
B126-1A1-WP	HDMI Over Cat5 Active Extender Wallplate Kit	1
P568-006	6-ft. High Speed HDMI Gold Cable	1
P568-010	10-ft. High Speed HDMI Gold Cable	1
P568-016	16-ft. High Speed HDMI Gold Cable	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at:

http://www.tripplite.com/sku/B126-1A1SR.