DisplayPort to HDMI over Cat5/6 Active Extender Kit, Pigtail Transmitter/Receiver for Video/Audio, 150 ft. (45 m), TAA

MODEL NUMBER: **B150-1A1-HDMI**

Transmitter and receiver work in tandem to convert a DisplayPort signal to HDMI and extend it over a single Cat5e/6/6a cable to a projector, monitor or television. Ideal for digital signs, schools, churches and trade shows.

Description

The B150-1A1-HDMI DisplayPort to HDMI over Cat5/Cat6 Active Extender Kit includes a transmitter unit and a receiver unit that work in tandem to convert a DisplayPort audio/video signal to HDMI and then extend it to a projector, monitor or television up to 150-ft. (45.72 m) away. 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 convention cables allow.

One Cat5e/6 cable connects the transmitter and receiver (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as Tripp Lite's N202-Series). A built-in DisplayPort cable connects the transmitter to the source, while a built-in HDMI cable connects the receiver to the display. The built-in HDMI cable features a latching connector that helps prevent accidental disconnection. Included USB Micro-B cables connect the transmitter to a USB port on the DisplayPort computer or a USB wall charger (such as Tripp Lite's U280-002-W12), and connect the receiver to a USB port on the HDMI display or a USB wall charger. No external power supplies are needed.

The B150-1A1-HDMI can extend a high-definition 1080i (60 Hz) signal up to 150-ft. (45.72 m) and a 1080p (60 Hz) signal up to 125-ft. (38.1 m). In addition to crystal-clear video, including 24-bit True Color (8 bits per channel), the kit delivers full, rich stereo. Green and orange LEDs on both units indicate when they are receiving power from the USB Micro-B cables and sharing a signal. Easy to set up with no software or drivers to install. Works with all operating systems.

Features

Converts DisplayPort Signal to HDMI, Extends It Up to 150-ft. (45.72 m)

- Ideal for digital signs, trade shows, presentations, classrooms, churches, retail settings and other applications where the video source is located farther than convention cables allow

- Extends a high-definition 1080i (60 Hz) signal up to 150-ft. (45.72 m) and a 1080p (60 Hz) signal up to 125-ft. (38.1 m)

- Transmitter and receiver connect with one Cat5e/6 cable (for best results, use 24 AWG solid-wire Cat5e/6 cable, such as Tripp Lite's N202-Series)

- Supports 24-bit True Color (8 bits per channel) and stereo audio

- HDCP 1.3 compliant

Highlights

- Extends 1080i signal up to 150-ft. (45.72 m), 1080p signal up to 125-ft. (38.1 m)

- Supports 24-bit True Color (8 bits per channel) and stereo audio

- Included USB Micro-B cables supply power to both units

- Works with all operating systems

- Plug and play—no software or drivers to install

- HDCP 1.3 compliant

- Built-in HDMI cable latches tightly for more secure connection

System Requirements

- Computer with DisplayPort output port*

- Display with HDMI input port

Package Includes

- Transmitter unit

- Receiver unit

- (2) USB Micro-B cables, 3-ft. (0.91 m)

- Owner's Manual

- Built-in HDMI cable with latching connector helps prevent accidental disconnection

Easy to Set Up and Use
- Plug-and-play engineering—no software or drivers to download and install
- Works with all operating systems
- Built-in cables connect transmitter to DisplayPort source and receiver to HDMI display
- Included USB Micro-B cables supply external power to the units
- LEDs indicate when the units are receiving power and sharing a signal

TAA-Compliant
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332190116
Product Type	Extender Kit
Technology	HDMI; DisplayPort; Cat5/5e; Cat6

VIDEO	
Max Supported Video Resolution	1920 x 1080 (1080p @ 60Hz)
Max 720P Range (ft)	150
Max 1080P Range (ft)	125
Max 1280 x 720 (720p) Range (ft)	125
Max 1920 x 1080 (1080p) Range (ft)	125
Transmitter Video Input	DisplayPort
Transmitter - Number of Video Outputs	1
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
HDR Support	No
3D Video Supported	Yes
Maximum Signal Range (ft)	150
Maximum Signal Range (m)	46

AUDIO	
Audio Input	Displayport

Audio Output	HDMI
Audio Specification	PCM

INPUT	
Bus Powered	No

POWER	
Power Source Type	USB
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	TX & RX: (x1) Green (Connection), (x1) Orange (Data transmission)

PHYSICAL	
Color	Black
Number of Displays	1
Form Factor/Mounting Options	Pigtail
Receiver Unit Dimensions (hwd / in.)	2.4 x 0.94 x 2.04
Receiver Unit Weight (lbs.)	0.07
Shipping Dimensions (hwd / in.)	1.60 x 5.50 x 7.90
Shipping Dimensions (hwd / cm)	4.06 x 13.97 x 20.07
Shipping Weight (lbs.)	0.60
Shipping Weight (kg)	0.27
Transmitter Unit Dimensions (hwd / in.)	2.42 x 1 x 3
Transmitter Unit Weight (lbs.)	0.07
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
Unit Packaging Type	Box
Housing	Plastic

ENVIRONMENTAL	
Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Relative Humidity	0% to 85%, Non-Condensing

COMMUNICATIONS	
Max 1024 x 768 Range (ft)	150

Max 480P Range (ft)	150
Max 1440 x 900 Range (ft)	150
Max 1080i Range (ft)	150
Max 480i Range (ft)	150
Max 640 x 480 Range (ft)	150
Max 800 x 600 Range (ft)	150
Max 1600 x 1200 Range (ft)	150
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	
Number of Ports	1
Side A - Connector 1	DISPLAYPORT (MALE)
Side A - Connector 2	RJ45 (FEMALE)
Side A - Connector 3	MICRO-USB B (FEMALE)
Side B - Connector 1	HDMI (MALE)
Side B - Connector 2	RJ45 (FEMALE)
Side B - Connector 3	MICRO-USB B (FEMALE)
Connector Plating	Nickel; Gold
Daisy-chainable / Cascadable	No

FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Built-In Equalizer	Yes
Displayport Specification	1.2
HDCP Specification	1.3
Driver Required	No

STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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