

## 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/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



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1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

- 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	1920x1080 (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



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Audio Output	HDMI
Audio Specification	PCM
<b>INPUT</b>	
Bus Powered	No
<b>POWER</b>	
Power Source Type	USB
Power Source	Transmitter and Receiver (Included)
Power Over Cable (PoC) Support	No
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	TX & RX: (x1) Green (Connection), (x1) Orange (Data transmission)
<b>PHYSICAL</b>	
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 / cm)	4.06 x 13.97 x 20.07
Shipping Dimensions (hwd / in.)	1.60 x 5.50 x 7.90
Shipping Weight (kg)	0.27
Shipping Weight (lbs.)	0.60
Transmitter Unit Dimensions (hwd / in.)	2.42 x 1 x 3
Transmitter Unit Weight (lbs.)	0.07
Unit Packaging Type	Box
Housing	Plastic
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
Max 1024 x 768 Range (ft)	150
Max 480P Range (ft)	150



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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
<b>CONNECTIONS</b>	
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
<b>FEATURES &amp; SPECIFICATIONS</b>	
Displayport Specification	1.2
HDCP Specification	1.3
Driver Required	No
10/100 Ethernet Extension Support	No
Built-In Equalizer	Yes
<b>STANDARDS &amp; COMPLIANCE</b>	
Certifications	Tested to CE, FCC, REACH, RoHS
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	1-year limited warranty



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Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>