

## 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 feet (45.7 meters) 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 the 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 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 feet and a 1080p (60 Hz) signal up to 125 feet (38.1 meters). 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. (45.7 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. (45.7 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 N202-Series)
- Supports 24-bit True Color (8 bits per channel) and stereo audio
- HDCP 1.3 compliant
- Built-in HDMI cable with latching connector helps prevent accidental disconnection

### 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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#### 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                                               |



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| INPUT                                   |                                                                   |
|-----------------------------------------|-------------------------------------------------------------------|
| Bus Powered                             | No                                                                |
| POWER                                   |                                                                   |
| Power Source Type                       | USB                                                               |
| Power Source                            | Transmitter and Receiver (Included)                               |
| Power Over Cable (PoC) 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                                                            |
| Contact Plating                         | Gold                                                              |
| Daisy-chainable / Cascadable            | 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.)                  | 0.70                                                              |
| Shipping Weight (kg)                    | 0.32                                                              |
| Transmitter Unit Dimensions (hwd / in.) | 2.42 x 1 x 3                                                      |
| Transmitter Unit Weight (lbs.)          | 0.07                                                              |
| Unit Dimensions (hwd / in.)             | 2.420 x 1.000 x 3.000                                             |



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|                                              |                                                                 |
|----------------------------------------------|-----------------------------------------------------------------|
| 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                            | 0-85% non-condensing                                            |
| <b>COMMUNICATIONS</b>                        |                                                                 |
| 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                                                              |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                                                                 |
| 10/100 Ethernet Extension Support            | No                                                              |
| Built-In Equalizer                           | Yes                                                             |
| Displayport Specification                    | 1.2                                                             |
| HDCP Specification                           | 1.3                                                             |
| Driver Required                              | No                                                              |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                                                 |
| Product Compliance                           | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA) |
| <b>WARRANTY &amp; SUPPORT</b>                |                                                                 |
| Product Warranty Period (Worldwide)          | 1-year limited warranty                                         |



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1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

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