

## Important Note

P568-Series HDMI cabling recommended for maximum distance and best performance. Although most installations will not require power, a USB Micro-B port is featured in the event power is needed. Connect a USB Micro-B cable between the port and a USB wall charger, monitor or computer.

## HDMI Signal Booster / Extender, 4K 60 Hz, F/F, 4:4:4, Up to 50 ft.

MODEL NUMBER: **B122-000-4K6**



In-line HDMI signal extender boosts a high-quality 4K HDMI audio/video transmission up to 50 ft. from the source device.

## Features

### HDMI Booster Extends High-Definition 4K Video and Digital Audio Signals up to 50 ft.

Don't let HDMI's 16-foot distance limitation limit your audio/video application. This in-line HDMI signal extender boosts your 4K transmission up to 50 feet (15.2 meters) from the source device without a drop in signal quality. This gives you the flexibility to hide your Blu-ray player or media server away in a secure, remote location for controlled access, while delivering video to an HDMI display somewhere else. The B122-000-4K6 is recommended for digital signs or video presentations in schools, conference rooms, retail displays, trade show booths and anywhere else you need to display high-definition video.

### Meets HDMI Industry Standards to Deliver High-Definition Results

This HDMI signal booster supports computer video resolutions up to 4K x 2K (3840 x 2160) at 60 Hz, as specified in HDMI 2.0, as well as 36-bit Deep Color (12 bits per channel). It supports DTS-HD, Dolby TrueHD and 7.1-channel surround sound to ensure your speakers deliver rich, clear audio to match the video quality. It supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

### Greater Distance Gives You More Freedom in Placing Your Source and Display Devices

This low-profile HDMI booster is designed for use with P568-Series HDMI cables (sold separately). Connect one cable (up to 25 feet) to your source device, such as a Blu-ray player or computer, to transmit a 4K (at 60 Hz) signal. The second cable connects the B122-000-4K6 and the HDMI display device and must be no longer than 25 feet. This unit can also extend a 3D signal up to 50 feet. For best results, 24 AWG HDMI cable, such as P568-100-HD (sold separately), is required.

### Ready to Use Right from the Package, So You Can Plug and Play Immediately

The plug-and-play unit requires no software, drivers or (usually) external power. In the extreme case that external power is needed, connect a USB Micro-B cable (such as UR050-Series) between the unit's USB Micro-B port and a USB wall charger or USB port on your monitor or computer (cable and charger sold separately). With its low-profile design, the B122-000-4K6 is easy to stow in your laptop bag and carry to school, the office or the latest trade show.

## Specifications

## Highlights

- Allows you to store expensive source device in a secure location for controlled access
- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Supports DTS-HD, Dolby TrueHD and 7.1 surround sound for rich, clear audio
- Compact unit fits easily into briefcase or laptop bag for instant use anywhere
- Plug-and-play operation with no software required for easy, immediate installation

## Applications

- Digital signage in office lobbies, churches, retail stores, restaurants and hotels
- Video presentations in conference rooms, lecture halls, classrooms and trade shows
- Home theater systems where the source devices are secured in a closet or other room

## System Requirements

- Source device with HDMI output
- Display device with HDMI input
- 24 AWG HDMI cable required for full 4K @ 60 Hz quality (P568-Series)

## Package Includes

- B122-000-4K6 HDMI Signal Booster
- Owner's manual



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| OVERVIEW                             |  |
|--------------------------------------|--|
| UPC Code                             | 037332239464                                     |
| Product Type                         | Signal Booster                                   |
| Technology                           | HDMI   |
| VIDEO                                |  |
| Video Input                          | HDMI (FEMALE)                                    |
| Video Output                         | HDMI (FEMALE)                                    |
| Number of Monitors Supported         | 1  |
| Video Ports                          | HDMI (FEMALE)                                    |
| Video Ports Details                  | HDMI 2.0; HDCP 2.2                               |
| Resolutions Supported                | 4K @ 60 Hz, up to 50 ft.                         |
| Max Supported Video Resolution       | 3840 x 2160 (4K @ 60Hz)                          |
| Max 1280 x 720 (720p) Range (ft)     | 50   |
| Max 1920 x 1080 (1080p) Range (ft)   | 50   |
| Max 1920 x 1200 Range (ft)           | 50   |
| Max 2560 x 1600 Range (ft)           | 50   |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 50   |
| Max 3840 x 2160 (4K@60Hz) Range (ft) | 50   |
| Recommended Cabling                  | 24 AWG   |
| 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)            | 50   |
| Maximum Signal Range (m)             | 15   |
| AUDIO                                |  |
| Audio Ports                          | HDMI (FEMALE)                                    |
| Audio Ports Details                  | HDMI (Female) port allows for pass-through audio |
| Audio Input                          | HDMI   |
| Audio Output                         | HDMI   |
| Audio Specification                  | Pass-through audio                               |
| INPUT                                |  |
| Bus Powered                          | No   |



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|  |                            |
|--|----------------------------|
| Product Length (in.)                         | 2.362                      |
| Product Length (cm.)                         | 6                          |
| Product Length (ft.)                         | 0.197                      |
| Product Length (m)                           | 0.06                       |
| <b>POWER</b>                                 |                            |
| Power Source Type                            | USB                        |
| Power Source                                 | Unit (Optional)            |
| Power Over Cable (PoC) Support               | No                         |
| <b>CONNECTIONS</b>                           |                            |
| Side A - Connector 1                         | HDMI (FEMALE)              |
| Side A - Connector 2                         | MICRO-USB B (FEMALE)       |
| Side B - Connector 1                         | HDMI (FEMALE)              |
| Daisy-chainable / Cascadable                 | No                         |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                            |
| LED Indicators                               | Green = Signal Active      |
| <b>PHYSICAL</b>                              |                            |
| Color  | Gray                       |
| Material of Construction                     | Plastic                    |
| Number of Displays                           | 1                          |
| Form Factor/Mounting Options                 | Box                        |
| Shipping Dimensions (hwd / in.)              | 1.30 x 6.14 x 4.80         |
| Shipping Dimensions (hwd / cm)               | 3.30 x 15.60 x 12.19       |
| Shipping Weight (lbs.)                       | 0.11                       |
| Shipping Weight (kg)                         | 0.05                       |
| Unit Dimensions (hwd / in.)                  | 0.590 x 1.023 x 2.362      |
| Unit Dimensions (hwd / cm)                   | 1.5 x 2.6 x 6              |
| Unit Packaging Type                          | Box                        |
| Unit Weight (lbs.)                           | 0.03                       |
| Unit Weight (kg)                             | 0.01                       |
| Housing                                      | Plastic                    |
| <b>ENVIRONMENTAL</b>                         |                            |
| Operating Temperature Range                  | 32° to 104°F (0° to 40°C)  |
| Storage Temperature Range                    | 5° to 122°F (-15° to 50°C) |



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|--|-------------------------------------|
| Relative Humidity                            | 0-85% non-condensing                |
| <b>COMMUNICATIONS</b>                        |                                     |
| 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                           | No                                  |
| HDCP Specification                           | 2.2                                 |
| Driver Required                              | No                                  |
| Recommended Category Cable                   | 24AWG                               |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                     |
| Product Compliance                           | CE (Europe); FCC (USA); REACH; RoHS |
| <b>WARRANTY &amp; SUPPORT</b>                |                                     |
| Product Warranty Period (Worldwide)          | 3-year limited warranty             |

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

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