

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., TAA

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.

TAA-Compliant for GSA Schedule Purchases

The B122-000-4K6 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for

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

GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

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
Product Length (in.)	2.362
Product Length (cm.)	6
Product Length (ft.)	0.197
Product Length (m.)	0.06
POWER	
Power Source Type	USB
Power Source	Unit (Optional)
Power Over Cable (PoC) Support	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Green = Signal Active
PHYSICAL	
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
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)

Relative Humidity	0% to 85% RH, Non-Condensing
COMMUNICATIONS	
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	
Side A - Connector 1	HDMI (FEMALE)
Side A - Connector 2	MICRO-USB B (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Daisy-chainable / Cascadable	No
FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Built-In Equalizer	No
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	24AWG
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

Mouser Electronics

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