

Gefen GTB-HDKVM-ELR GefenToolBox HD KVM HDMI/USB/Ethernet/IR Extender

Extra Long Range Extender for HDMI, USB, Ethernet, and IR over two CAT-5 cables

The GefenToolBox HDKVM ELR is designed to extend HDMI, USB, Ethernet, and IR from a home theater multimedia PC that can be located up to 330 feet (100 meters) away. The USB is also backward-compatible with USB 1.1. The Receiver Unit allows the connection of HDMI and two (2) USB devices, providing access to printers, scanners, cameras, external storage media, digital signage, and automated control systems in addition to the display. This GefenToolBox product uses Gefen ELR technology, allowing HDMI, Ethernet, and IR to travel along the same CAT-5 cable, reducing the number of CAT-5 cables required for peripherals. USB 2.0 is extended over the second CAT-5 cable, allowing USB to be extended using full 480 Mbps.

How It Works

Place the HDKVM ELR Sender Unit next to the PC source. Use the included HDMI cable to connect the PC source to the Sender Unit. Use the supplied USB cable to connect the Sender Unit to the USB port on the host device. Connect the Receiver Unit to the HDTV display with an HDMI cable. Connect the USB devices to the Receiver Unit. Use two CAT-5 cables, up to 330 feet (100 meters), to connect the Sender Unit to the Receiver Unit. Connect a serial cable from the RS-232 port on the Sender Unit to the RS-232 on the PC. Connect the RS-232 port on the Receiver Unit to the HDTV display. The Ethernet port on both the Sender Unit and Receiver Unit are connected to standard network RJ-45 type ports. Connect the included locking power supplies to the Sender and Receiver Units, and the power supplies to any available electrical outlets.

HDMI Features Supported:

- Resolutions up to 1080p Full HD
- Deep Color
- x.v.Color
- LCPM 7.1 Audio
- Dolby® TrueHD and DTS-HD Master Audio™
- 3DTV Pass-Through
- CEC Pass-Through
- Lip-Sync Pass Through

Features:

- Extends HDMI to up to 330 feet (100 meters)
- Supports resolutions up to 1920 x 1200 @ 60 Hz or 1080p
- 3DTV Support
- Extends USB 2.0, Ethernet, and IR devices to 330 feet (100 meters)
- Supports 480 Mbps using USB 2.0
- Backward-compatible with USB 1.1 devices
- EDID Management with Local and Pass-through modes
- Industry-standard CAT-5, CAT-5e, or CAT-6 cables recommended
- Locking Power Supplies
- Wall-mountable
- Available in Black or White

Specifications:

- Video Amplifier Bandwidth: 225 MHz
- Input Video Signal: 1.2 Volts p-p
- Input DDC Signal: 5 Volts p-p (TTL)
- HDMI Connectors (Sender / Receiver): Type A, 19-pin, female
- USB Connector (Sender Unit): Type B
- USB Connectors (Receiver Unit): (2) Type A
- Link Connectors (Sender / Receiver): (2) RJ-45
- Ethernet Connectors (Sender / Receiver): RJ-45
- IR Extender (Receiver Unit): 3.5 mm
- IR Blaster (Sender Unit): 3.5 mm
- Power Supply (Sender / Receiver): 5V DC, locking type
- Power Consumption: 10 W per unit (max.)
- Operating Temperature: 0 - 40 °C
- Dimensions: 3.4" W x 4.9" H x 1.2" D
- Shipping Weight: 3 lbs.

Package Includes:

- (1) GefenToolBox HDKVM Extra Long Range Extender - Sender Unit
- (1) GefenToolBox HDKVM Extra Long Range Extender - Receiver Unit
- (1) 6 ft. HDMI cable (M-M)
- (1) 6 ft. USB cable (A-B)
- (2) 5V DC Locking Power Supplies
- (1) User Manual