



HDMI KVM ELR Extender Over One CAT-5 cable

HDMI 2.0

4K ULTRA HD
60Hz, 4:2:0

4K CINEMA
DCI, 4096 x 2160

HDCP



EXT-HDKVM-ELR

Extra Long Range KVM Extender for HDMI and USB over one CAT-5 cable

The Gefen HDMI KVM ELR extends HDMI and USB up to 330 feet (100 meters) over a single CAT-5 cable. Resolutions up to 4K Ultra HD (3840 x 2160 @ 60Hz 4:2:0 or @ 30Hz 4:4:4), 4K Cinema-DCI (4096 x 2160 @ 24 or 30Hz), 1080p Full HD, and 1920 x 1200 (WUXGA) are supported. HDCP, USB 2.0 up to 30 Mbps, and USB 1.1 are also supported. The Receiver unit accommodates up to three USB devices, providing access to keyboard, mouse, touch-panels, printers, scanners, and external storage media. Typical applications include remote workstations and interactive digital signage with touch-screens. This product uses Gefen's ELR implementation that integrates the proven HDBaseT™ technology with powerful EDID Management capabilities. HDMI and USB are transported over the same CAT-5e cable, reducing cabling costs in addition to providing easier and more reliable installation.

How It Works

Place the HDKVM ELR Sender unit next to the computer source and use the included HDMI cable to connect the computer to the Sender unit. Use the supplied USB cable to connect the USB host (source) device to the USB port on the Sender unit. Connect the Receiver unit to a display with an HDMI cable. Connect the USB devices to the Receiver unit. Use one CAT-5e cable, up to 330 feet (100 meter), to connect the Sender unit to the Receiver unit. Connect the included locking power supplies to the Sender unit and Receiver unit, and then connect both power cords to available electrical outlets.

Features*

- Extends 4K Ultra HD (3840 x 2160 @ 60Hz, 4:2:0 or 30Hz, 4:4:4), and USB over a single CAT-5e cable up to 330 feet/100 meters (8-bit color)
- Extends 4K Cinema (DCI) (4096 x 2160 @ 24 or 30Hz 4:4:4), and USB over a single CAT-5e cable up to 330 feet/100 meters (8-bit color)
- Extends HDMI at 1080p Full HD, and USB over a single CAT-5e cable up to 330 feet/100 meters (up to 12-bit Deep Color)
- HDMI Features Supported:
 - HDMI 2.0
 - HDCP 1.4 compliant
 - 12-bit Deep Color
 - LPCM 7.1 audio, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™ pass-through
 - 3DTV pass-through
 - CEC pass-through
 - Lip Sync pass-through
- Supports up to 30 Mbps when using USB 2.0
- Backward-compatible with USB 1.1
- EDID management for rapid integration of source and display devices
- ELR and HDBaseT technologies
- Locking power supplies
- 1U tall, half-rack width enclosures are rack-mountable using EXT-RACK-1U

Specifications*

- Maximum Pixel Clock: 300 MHz
- Maximum TMDS Clock: 300MHz
- Video Input Connector (Sender): HDMI Type A, 19-pin, female, locking
- Video Output Connector (Receiver): HDMI Type A, 19-pin, female, locking
- USB Connector (Sender): (1) Type B, female
- USB Connector (Receiver): (3) Type A, female
- Link Connector (Sender / Receiver): RJ-45, shielded
- Service Connector for field upgrades (Sender / Receiver): USB mini-B
- Power Supply (Sender / Receiver): 5V DC, locking
- Power Consumption (Sender / Receiver): 10W (max.)
- Operating Temperature: +32 to +104 °F (0 to +40 °C)
- Dimensions (W x H x D): 8.5" x 1.75" x 4.5" (216mm x 45mm x 114mm)
- Shipping Weight: 6 lbs. (2.7 kg)



1080P
PROGRESSIVE

