

Gefen TOOLBOX

Extend DVI, USB, RS-232, and Ethernet up to 330 feet



GTB-DVIKVM-ELR

Extra Long Range Extender for DVI, USB, RS232, and Ethernet over CAT-5

The GefenToolbox DVIKVM ELR extends DVI, USB, RS-232, and Ethernet to a monitor, touch-screen display, or other digital signage application up to to 330 feet (100 meters) using two CAT-5 cables. This product supports USB 2.0 with data rates up to 480 Mbps in addition to backward-compatibility with USB 1.1. The Receiver Unit allows the connections of up to two (2) USB devices, providing access to printers, scanners, cameras, external storage media, digital signage, and automated control systems. This product also extends Ethernet and RS-232, allowing access to RS-232 and IP control devices.

How It Works

Place the DVIKVM ELR Sender Unit next to the DVI KVM source. Use the included DVI cable to connect the source to the Sender Unit. Use the supplied USB cables to connect the USB ports to the USB host (source) device. Connect the Receiver Unit to the monitor or digital signage display with a DVI 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 an RS-232 serial cable from the RS-232 port on the Sender Unit to the RS-232 control device. Connect the RS-232 port on the Receiver Unit to the RS-232 device. The Ethernet ports on both the Sender Unit and Receiver Unit are connected to standard network devices such as 100Base-T routers and hubs. Connect the included locking power supplies to the Sender Unit and Receiver Unit, then connect both power cables to available electrical outlets.

Features

- Supports DVI resolutions up to 1920x1200 @ 60 Hz or 1080p at 330 feet (100 meters)
- Extends USB 2.0, RS-232, and Ethernet to 330 feet (100 meters)
- Supports 480 Mbps using USB 2.0
- Backward-compatible with USB 1.1 devices
- EDID Management for Local and Pass-through
- Uses industry-standard CAT-5, CAT-5e, or CAT-6 cables
- Works with PC and Mac computers
- Locking Power Supplies
- Energy Star compliant
- Wall-mountable
- Black or White finish

Specifications*

- Video Amplifier Bandwidth: 165 MHz
- Input Video Signal: 1.2 Volts p-p
- Input DDC Signal: 5 Volts p-p (TTL)
- DVI Connector (Sender / Receiver): DVI-I 29-pin, female
- USB Connector (Sender Unit): Type B
- USB Connectors (Receiver Unit): (2) Type A
- CAT-5 Connector (Sender / Receiver): RJ-45, female
- Ethernet Connector (Sender / Receiver): RJ-45, female
- RS-232 Connector (Sender): DB-9, female
- RS-232 Connector (Receiver): DB-9, male
- RS-232 Baud Rate: 19200 bps
- Power Supply (Sender / Receiver): 5V DC
- Power Connectors: Locking
- Power Consumption: 10 W per unit (max.)
- Operating Temperature: 0 - 40 °C
- Dimensions: 9.75" W x 1.25" H x 3.4" D
- Shipping Weight 4 lbs.

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