# Gefen EXT-CAT5-1600A Extra Long KVM Extension for VGA, Audio, and USB over CAT-5

## Extra Long KVM Extension for VGA, Audio, and USB over CAT-5

The Gefen CAT5-1600A extends VGA and Audio up to 1000 feet (300 meters) and USB up to 330 feet (100 meters) using CAT-5 cables. Display resolutions up to 1920x1200@60Hz are supported. A local monitor can be connected to the Sender Unit and up to two monitors can be connected to the Receiver Unit. Four USB connectors on the Receiver Unit allow control of the computer system from a KVM workstation. Mini-stereo connectors extend analog audio.

## How It Works

Place the CAT5-1600A Sender Unit next to the VGA source. Use the included VGA cable to connect the source to the Sender Unit. Optionally connect a local monitor to the Sender Unit using a VGA cable. Connect up to two monitors to the Receiver Unit with VGA cables. Connect the USB devices to the input and output connectors. For audio, connect a mini-stereo cable between the audio source and the audio input on the Sender Unit. Connect a mini-stereo cable between the audio output on the Receiver Unit and the audio device. Use two CAT-5 cables to connect the Sender Unit to the Receiver Unit. VGA and Audio can be extended to 1000 feet (300 meters). USB is extended over a separate second CAT-5 cable up to 330 feet (100 meters). Connect the included locking power supplies to both the Sender Unit and Receiver Unit then connect both power cables to available electrical outlets. The computer can now be controlled from the KVM workstation.

**Note:** VGA and Audio can be extended to 1000 feet (300 meters). USB can be extended to 330 feet maximum (100 meters).

**Features:**

- Extends any VGA and Audio device up to 1000 feet (300 meters)
- Extends USB devices up to 330 feet (100 meters)
- Uses two CAT 5 cables:1-VGA, 1-USB (optional)
- Supports resolutions up to 1920x1200 @ 60Hz
- Supports USB 2.0
- Backwards-compatible with USB 1.1 devices
- Color, Brightness, and Focus controls compensate for variations in the signal due to extension distances and skews found in different brands of CAT-5 cabling
- Standby Mode for energy savings
- Works with PC and Mac computers
- Energy Star™ compliant
- Locking Power Connectors for secure connections to power sources
- Rack-mountable (1RU-Sender, 1RU Receiver)

**Specifications:**

- Video Amplifier Bandwidth: 350 MHz
- Input Video Signal: 1.2 Volts p-p
- Input Sync Signal: 5 volts p-p (TTL)
- Horizontal Frequency Range: 15 kHz - 70 KHz
- Vertical Frequency Range: 30 Hz - 170 Hz
- VGA Connectors (Sender Unit): (1) HD-15, male; (1) HD-15, female
- VGA Connectors (Receiver Unit): (2) HD-15, female
- USB Connector (Sender Unit): Type B
- USB Connectors (Receiver Unit): (4) Type A
- Audio Input Connectors (Sender Unit / Receiver Unit): 3.5 mm
- Link Connectors (Sender Unit / Receiver Unit): (2) RJ-45
- DIP Switch (Receiver Unit): Power Save Mode (See Manual)
- Trim Pots (Receiver Unit): (5): Red, Green, Blue, Brightness, Focus
- Power Supply: 5V DC with locking power connectors
- Power Consumption: 30 W (max.)
- Operating Temperature: 0 - 40 °C
- Dimensions (Sender): 17" W x 1.6" H x 5.25" D (1 RU)
- Dimensions (Receiver): 17" W x 1.6" H x 5.25" D (1 RU)
- Shipping Weight: 7.0 lbs.

**Package Includes:**

- (1) Gefen CAT5-1600A Extender Sender Unit
- (1) Gefen CAT5-1600A Extender Receiver Unit
- (1) 6 ft VGA Cable (M-M)
- (1) 6 ft USB Cable (A-B)
- (1) 6 ft Mini-Stereo Cable (3.5 mm)
- (2) 5V DC Locking Power Supplies
- (1) Set of Rack Ears
- (1) User Manual