ServSwitch Brand CATx USB KVM Extenders
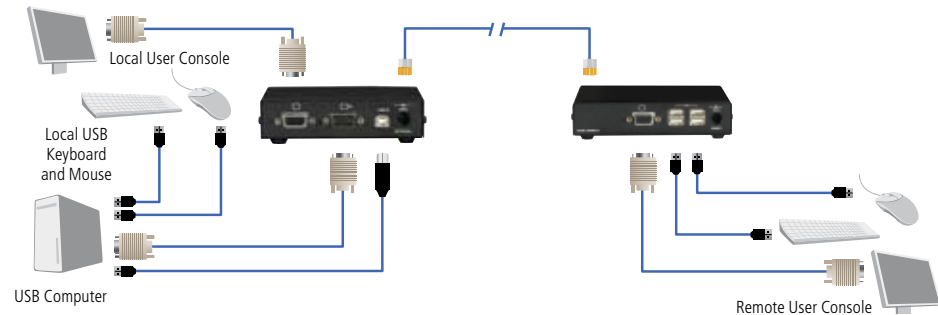
Send high-resolution VGA video and USB signals over CAT5 or higher cable.

FEATURES

» Extend USB and VGA signals over CATx cable up to 1000 feet (300 m).

» Support high-resolution video: 1600 x 1200 at 60 Hz over 650 feet (200 m) or 1280 x 1024 at 75 Hz over 1000 feet (300 m).

» Fully integrated skew compensation cancels color shift and enhances image sharpness.

» Optional bidirectional stereo audio (16-bit, digitized) support for high-quality, low-noise audio extension.

» Surge protection on each CATx port and power supply unit provides overvoltage detection.

Local User Console

Local USB Keyboard and Mouse

USB Computer

Remote User Console

OVERVIEW

Each ServSwitch™ Brand CATx USB KVM Extender system includes a local unit that attaches to the CPU (or a ServSwitch) and a remote unit that connects the user's KVM console. You can also plug in a monitor on the local side.

Choose from models that extend single- or dual-head video with or without serial and bidirectional stereo audio signals. A CATx cable is required for each video channel between local and remote ends.

All extenders deliver crystal-clear video. Additionally, the extenders feature emulated DDC on the local units to ensure compatibility with multihead graphics cards. The remote units feature transparent DDC, reading DDC tables from all attached monitors, then transferring and storing data in the local unit to support non-standard displays.

Independent low-frequency and high-frequency cable equalization control ensures optimum video tuning across different cable types, so installation is not costly. Control and video tuning are carried out using the remote keyboard with settings stored in EEPROM memory.

The transparent serial port on the audio-enabled models enables you to extend any serial device up to 19.2 kbps. Extend one device requiring handshaking lines or up to three simple serial devices with no handshaking.

Installing ServSwitch Brand CATx USB KVM Extenders is a plug-and-play procedure with nothing to configure. Local video output enables dual-access operation when a local keyboard and mouse are connected directly to the CPU. With a simple hotkey command, you can switch to a private mode, leaving the local video dark.

In most applications, the local unit draws its power from the USB interface but, if necessary, it also can be powered externally by the optional Power Supply (PSU1006E-R3). The remote unit requires an external power supply, which is included.

Compact in design, the extender units fit easily on a desktop. Or three units can be rackmounted in 1U of space within a 19" standard cabinet or rack using the optional Rackmount Kit (RMK19U-X3).

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ACU6001A (front view)

ACU6001A (rear view)

TECH SPECS

CE Approval — Yes

Connectors — Local unit: Video input: (1) HD15 M;
    Video output: (1) HD15 F;
    USB: (1) USB Type B;
    Interconnect: (1) RJ-45
Remote unit:
    Video output: (1) HD15 F;
    USB HID: (4) USB Type B;
    Interconnect: (1) RJ-45

Power — Local unit: 5 VDC from the USB interface or optional Power Supply
    (PSU1006E-R3)
Remote unit: input: 100–240 VAC, 50–60 Hz, autosensing, external;
Output: 9VDC, 4 A (20 W)

Size — Local unit: 4.9"H x 4.5"W x 1.2"D (12.4 x 11.3 x 3 cm);
Remote unit: 5.7"H x 5.9"W x 1.2"D (14.4 x 15.1 x 3 cm)

Item	Code
ServSwitch Brand CATx USB KVM Extenders	
Single-Head VGA	
Standard	**ACU6001A**
with Serial and Audio	**ACU6022A**
Dual-Head VGA	
Standard	**ACU6201A**
with Serial and Audio	**ACU6222A**

✦ Include (1) local unit, (1) remote unit, (1) 5-V DC power supply for remote unit, (1) U.S. power cord, and USB and video cables to connect local unit to PC. ACU6222A also includes (1) serial cable and (1) audio cable.

You may also need…

Power Supply	**PSU1006E-R3**
Rackmount Kit for CATx Extenders	**RMK19U-X3**

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- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

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