

Hi-Res VGA USB KVM Extender via CAT5

XTENDEX®

Extend USB keyboard, USB mouse and VGA monitor up to 1,000 feet (305 meters)

- Industry-leading ultra high resolutions up to 2048x1536.
- High quality, rugged steel construction with durable powder coat finish.
- Automatically adjust video quality and color skew for crystal clear video with longer cables.
- DDC2B emulation support for remote monitor.
- Built-in surge protection.
- Available with optional stereo audio and/or additional USB 2.0 (low/full speed) port for local and remote user.
 - For the additional USB port on the local unit, connect any type of USB device (fully transparent USB connection).
 - For the additional USB port on the remote unit, use to connect a USB touch screen monitor, interactive whiteboard, or CAC card reader.

Available options:

- **USB connector for USB touch screen monitor, CAC card reader, or interactive whiteboard**
- **Audio**



XTENDEX® ST-C5USBVUA-1000S Local and Remote Units

The XTENDEX® VGA USB KVM Extender provides local and remote KVM (USB keyboard, USB mouse and VGA monitor) access to a USB computer or NTI KVM switch up to 1,000 feet (305 meters) using CAT5/5e/6 UTP cable. Each ST-C5USBV-1000S consists of a local unit that connects to a computer and provides local keyboard, monitor and mouse connections, and a remote unit that connects to a keyboard, monitor and mouse. The local and remote units are interconnected via CAT5/5e/6 cable.

Specifications

Local Unit

Host Connection

- Supports a USB computer (PC, SUN, MAC).
- Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- One male 15-pin HD connector.
- One male USB Type A connector.
- Audio option: one 3.5mm stereo plug (audio in).

Local Access

- Crisp and clear 2048x1536 video resolution.
- One female 15-pin HD connector.
- Two female USB Type A connectors.
- Audio option: one 3.5mm stereo plug (audio out).
- Available with an optional female USB Type A connector for an additional USB 2.0 (low/full speed) device.
 - ♦ Connect any type of USB device – fully transparent USB connection.
 - ♦ USB maximum data rate: 12 Mbps

Video Quality Adjustment

- Automatically adjusts the video quality and color skew to compensate for varying lengths of CAT5/5e/6 cable.
 - Maximum delay: 62ns in 2ns steps.
- Manual fine adjustments are made via keyboard commands.
- Settings are automatically stored in the unit. The next time the unit is powered on, the adjustment will be recalled.

Power

- Local and remote unit: 110 or 220 VAC at 50 or 60 Hz via AC adapter.

Remote Unit

- Supports resolutions up to 2048x1536; refer to the resolution chart for resolutions at different lengths.
- One female 15-pin HD connector.
- Two female USB Type A connectors.
- Audio option: one 3.5mm stereo plug (audio out).
- Available with an optional female USB Type A connector for an additional USB 2.0 (low/full speed) device – USB touch screen monitor, CAC card reader, interactive whiteboard, or barcode scanner.
 - USB maximum data rate: 12 Mbps.
 - Supported touch screen monitors: Microtouch 3M, Elo 1529L 3000 Series, Elo 1515L, Smart Podium ID422w, Hope Industrial HIS-RL17, NEC MultiSync E222W, Industrial Electronic Devices Inc IWS-240t-G3, Zytronic CML-170, Pulse IR TSV4001/DT40 and HP Compaq.
 - Supported interactive whiteboards: SMART Board™ SB640
 - Supported card readers: Athena, Cherry, Gemalto, Generic USB, and Dell smart card/keyboard combo.

Environmental

- Operating temperature: 32to 100°F (0 to 38°C).
- Storage temperature: -20 to 140°F (-30 to 60°C).
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Dimensions

- WxDxH: 5.1x3.1x1.2 in. (130x79x31 mm)

Regulatory Approvals

- CE, RoHS

MTBF

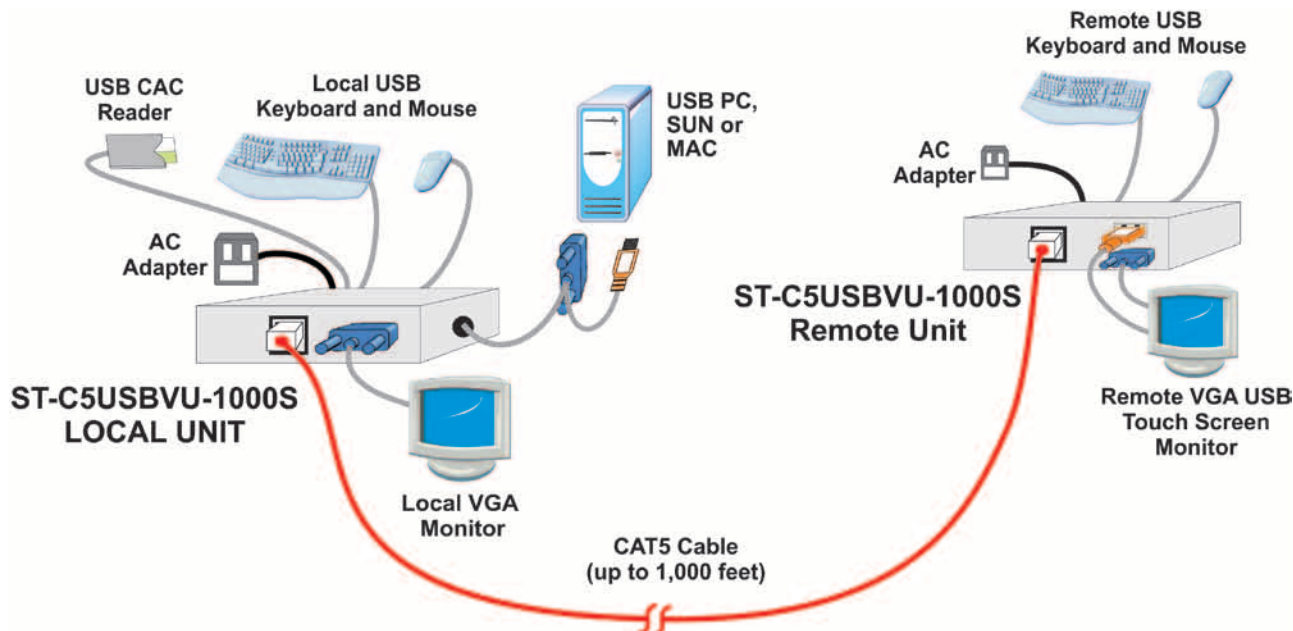
| NTI Part # | Hours | NTI Part # | Hours |
|---------------------|--------|---------------------|--------|
| ST-C5USBV-L-1000S | 38,570 | ST-C5USBV-R-1000S | 43,429 |
| ST-C5USBVU-L-1000S | 37,943 | ST-C5USBVU-R-1000S | 44,468 |
| ST-C5USBVA-L-1000S | 38,453 | ST-C5USBVA-R-1000S | 43,234 |
| ST-C5USBVUA-L-1000S | 37,838 | ST-C5USBVUA-R-1000S | 42,606 |

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Configuration and Cable Illustration



Options

Stereo Audio

- Stereo audio can be heard both locally and remotely.
- Frequency response: 20 Hz to 20 kHz, ± 1 dB.
- Signal-to-Noise Ratio (SNR): >76 dBA.
- Total Harmonic Distortion and Noise (THD+N): <0.1%.
- Stereo crosstalk: -70 dB.
- Input impedance: 10k Ohms.
- Line level output; supports multimedia speakers.
- Maximum I/O levels: 3.1Vp-p (line level).
- CD quality audio output.

Additional USB Port

- Additional USB 2.0 port for local and remote user.
 - For the additional USB port on the local unit, connect any type of USB device (fully transparent USB connection).
 - For the additional USB port on the remote unit, use to connect a USB touch screen monitor, CAC card reader, interactive whiteboard, or barcode scanner.
 - ◆ USB maximum data rate: 12 Mbps.
 - ◆ Supported touch screen monitors: Microtouch 3M, Elo 1529L 3000 Series, Elo 1515L, Smart Podium ID422w, Hope Industrial HIS-RL17, NEC MultiSync E222W, Industrial Electronic Devices Inc IWS-240t-G3, Zytronic CML-170, Pulse IR TSV4001/DT40 and HP Compaq.
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Distances and Resolutions for CAT5/CAT5e and CAT6 Cables

| Cable | Distance (ft) | Resolution |
|------------------|---------------|-------------------|
| CAT5/CAT5e (UTP) | 1000 | 1920x1200 at 60Hz |
| | 800 | 1920x1440 at 60Hz |
| | 600 | 2048x1536 at 60Hz |
| CAT6 (UTP) | 800 | 1920x1440 at 60Hz |
| | 600 | 2048x1536 at 60Hz |
| CAT5/5e (STP) | 800 | 1920x1200 at 60Hz |
| | 600 | 1920x1440 at 60Hz |
| | 400 | 2048x1536 at 60Hz |
| CAT6 (STP) | 400 | 1280x1024 at 60Hz |
| | 300 | 1600x1200 at 60Hz |
| | 200 | 2048x1536 at 60Hz |

VGA USB KVM Models

| Supported Features | NTI Part # |
|---------------------------------------|-------------------|
| USB KVM | ST-C5USBV-1000S |
| USB KVM + ADDITIONAL USB PORT | ST-C5USBVU-1000S |
| USB KVM + AUDIO | ST-C5USBVA-1000S |
| USB KVM + ADDITIONAL USB PORT + AUDIO | ST-C5USBVUA-1000S |