

Hi-Res PS/2 KVM Extender via CAT5: Extend to 1,000 feet

XTENDEX®

How to extend VGA Video Keyboard Mouse control up to 1000 feet away from computers or NTI KVM Switches

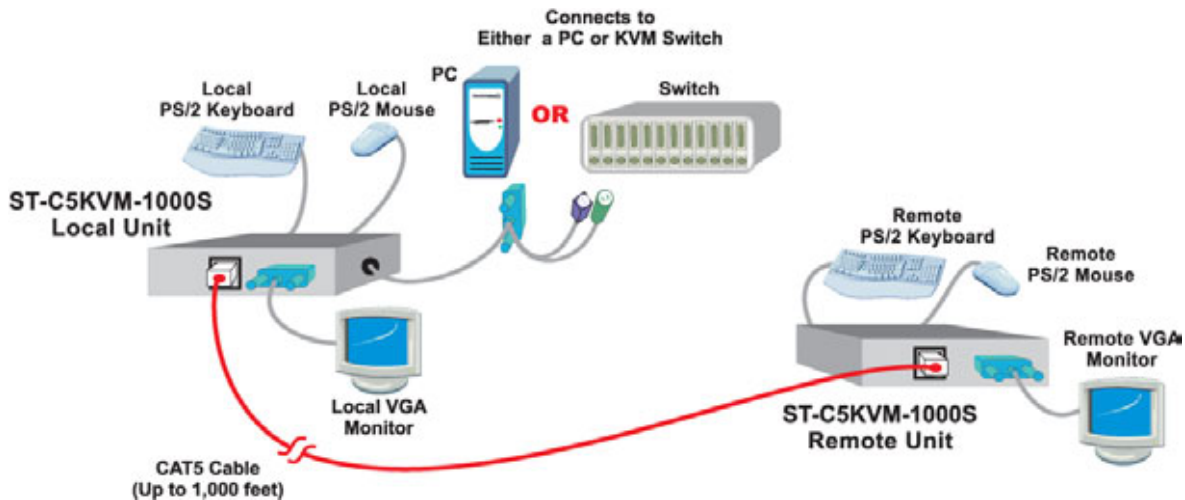
- Industry-leading ultra high resolutions up to 2048x1536.
- High quality, rugged steel construction with durable powder coat finish.
- Automatically adjust video quality and color skew for crystal clear video with longer cables.
- Available options: two-way audio (support for speakers and microphone), RS232, two-way audio + RS232.
- DDC2B support for local or remote monitor (user selectable).
- Built-in surge protection.



XTENDEX® ST-C5KVM2ARS-1000S (Remote and Local Units)

- Two-way Audio
- RS232
- Two-way Audio + RS232

The XTENDEX® KVM Extender provides local and remote KVM (PS/2 keyboard, PS/2 mouse and VGA video monitor) access to a PC up to 1,000 feet using CAT5/5E/6 RJ45 cable. The extender 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.



Specifications

Local Unit

Host Connection

- Supports a PS/2 PC.
- Multiplatform support: Windows 2000/XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- One male 15-pin HD connector.
- Two male 6-pin miniDIN connectors.
- Two-way audio option: two 3.5mm stereo plugs (audio in/mic out).
- RS232 option: female 9-pin D connector.
- Two-way audio + RS232 option: two 3.5mm stereo plugs (audio in/ mic out), female 9-pin D connector.

Local Access

- Crisp and clear 2048x1536 video resolution.
- One female 15-pin HD connector.
- Two female 6-pin miniDIN connectors.
 - ♦ NTI recommends using identical keyboards and mice at local and remote units.
- Two-way audio option: two 3.5mm stereo jacks (audio out/mic in).
- RS232 option: female RJ45 connector.
- Two-way audio + RS232 option: two 3.5mm stereo jacks (audio out/ mic in), female RJ45 connector.

Hi-Res PS/2 KVM Extender via CAT5: Extend to 1,000 feet

XTENDEX®

How to extend VGA Video Keyboard Mouse control up to 1000 feet away from computers or NTI KVM Switches

Specifications (Continued)

Remote Unit

- Supports resolutions up to 2048x1536.
- One female 15-pin HD connector.
- Two female 6-pin miniDIN connectors.
- Two-way audio option: two 3.5mm stereo jacks (audio out/mic in).
- RS232 option: female RJ45 connector.
- Two-way audio + RS232 option: two 3.5mm stereo jacks (audio out/mic in), female RJ45 connector.

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.
- Fine adjustment available via push buttons on the remote unit.
- Settings are automatically stored in the unit. The next time the unit is powered on, the adjustment will be recalled.

Environmental

- Operating temperature: 32°F to 122°F (0°C to 50°C)
- Storage temperature: -20°F to 140°F (-30°C to 60°C)
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Dimensions

- WxDxH(in): 5.05x3.08x1.09

Power

- Local and remote unit: 120 VAC at 60 Hz 9 VDC/1.0A via AC adapters or 230 VAC at 50 Hz 9 VDC/1.5A via AC adapters.
- Power Consumption: 10W (each - local and remote unit).

Regulatory Approvals

- CE, RoHS
- TAA compliant

Warranty

- Two years.

Options

- Choose between two-way audio, RS232, or two-way audio + RS232

Two-way Audio

- 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): 0.017%.
 - 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.
- Microphone
 - Microphone can be used locally and remotely, user selectable.
 - Supports electret microphones.
 - Input impedance: 10k Ohms.
 - Maximum I/O levels: 1V, unbalanced

RS232

- Supports TXD, RXD, DTR, DSR, DCD, CTS and RTS.
- Baud rate up to 57.6K.
- Support for a touch screen monitor..

Cables

- Use CAT5, CAT5e or CAT6 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
 - Supports minimum cable length of 100 feet and maximum length of 1,000 feet.
 - Cables not included.

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 |

PS/2 KVM Extender Models

| Supported Features | NTI Part # |
|-----------------------------|--------------------|
| KVM | ST-C5KVM-1000S |
| KVM + two-way audio | ST-C5KVM2A-1000S |
| KVM + RS232 | ST-C5KVMRS-1000S |
| KVM + two-way audio + RS232 | ST-C5KVM2ARS-1000S |