

KVM EXTENDER

Extend control up to 600 feet away from a PC or NTI KVM switch with no loss of signal

Available Models:

- **300' extenders**
- **600' extenders**



Built-In Surge Protection

Available Options:

- **Audio**
- **RS232**

XTENDEX® ST-C5KVM-600 (Remote and Local unit)

Features & Applications

The XTENDEX® KVM Extender provides local and remote KVM (PS/2 keyboard, PS/2 mouse and VGA monitor) access to a PC or NTI KVM switch up to 300/600 feet using CAT5 UTP cable.

- Supports two users: one local and one remote.
- Local unit provides local KVM access.
- Allows local and remote access to network servers.
- Sharpest and clearest VGA of any manufacturer.
- Built-in surge protection.
- Available with optional stereo audio or RS232 (ST-C5KVM-300 available with audio option only).
- Keep-alive keyboard/mouse emulation for flawless operation.
- Use in-house CAT5/5e/6 wiring to locate a keyboard, monitor and mouse remotely.

Specifications

Local Unit

Host Connection

- Supports a PC, SUN Fire™ V20z or NTI Switch.
- One male 15-pin HD/two male 6-pin miniDIN connectors for PC or NTI KVM switch.
- Optional RS232 support—female 9-pin D connector (ST-C5KVM-600 only).
- Optional stereo audio support—3.5mm stereo plug.

Local Access

- Crisp and clear 1920x1440 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.
- Optional RS232 support—male 9-pin D connector (ST-C5KVM-600 only).
- Optional stereo audio support—3.5mm stereo jack.

Remote Unit

- Supports resolutions up to 1920x1440; refer to the resolution charts on page 5.
- One female 15-pin HD connector.
- Two female 6-pin miniDIN connectors.
- Optional 3.5mm stereo audio connection.
- Optional male 9-pin D connector for RS232 (ST-C5KVM-600 only).

Video Quality Adjustment

- See chart below for the method of adjusting video quality for different lengths of CAT5/5e/6 cable.

| NTI Part # | Video Quality Adjustment |
|----------------|--------------------------|
| ST-C5KVM-600 | Automatic |
| ST-C5KVMA-600 | Automatic |
| ST-C5KVMRS-600 | Automatic |
| ST-C5KVM-300 | Manual |
| ST-C5KVMA-300 | Manual |

Power

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

Regulatory Approvals

- CE, RoHS

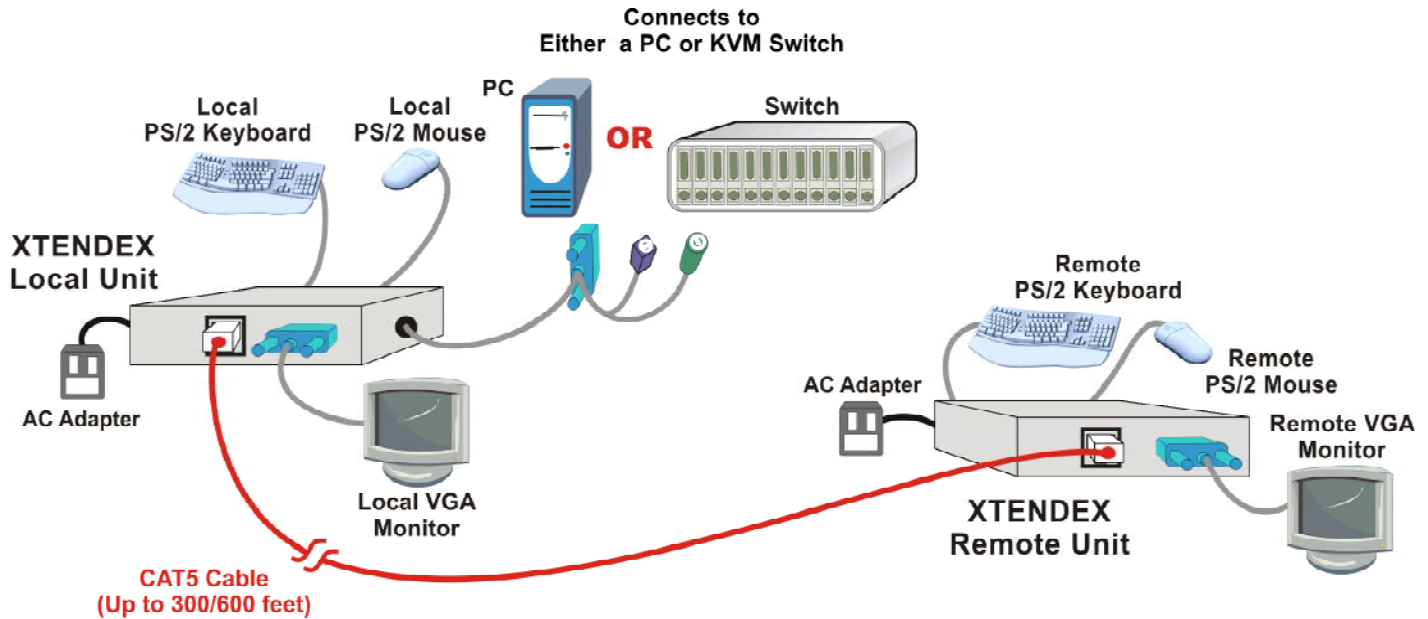
Warranty

- Two years



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Configuration and Cable Illustration



Options

- Choose between stereo audio or RS232.

Stereo Audio

- Available on ST-C5KVM-600 and ST-C5KVM-300.
- 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.
- Maximum I/O levels: 3.1Vp-p (line level).
- Requires powered speakers.

RS232

- Available on ST-C5KVM-600.
- Supports TXD, RXD, DTR, DSR, CTS and RTS.
- Baud rate up to 56K.
- Support for a touch screen monitor.

Cables

- Use CAT5, CAT5e or CAT6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
- Cables not included.



Warning!

- These units are not designed to be connected to an ethernet card, ethernet router, hub, switch or any other ethernet RJ45 connector of an ethernet device. Damage to devices connected to the ethernet may result.

Resolutions for ST-C5KVM-600

| Cable | Distance (feet) | Resolution |
|------------------|-----------------|-------------------|
| CAT5/CAT5e (UTP) | 600 | 1024x768 at 60Hz |
| CAT5/CAT5e (UTP) | 400 | 1280x1024 at 60Hz |
| CAT5/CAT5e (UTP) | 300 | 1600x1200 at 60Hz |
| CAT5/CAT5e (UTP) | 100 | 1920x1440 at 60Hz |
| CAT6 (UTP) | 300 | 1024x768 at 60Hz |
| CAT6 (UTP) | 200 | 1280x1024 at 60Hz |
| CAT6 (UTP) | 100 | 1920x1440 at 60Hz |

Resolutions for ST-C5KVM-300

| Cable | Distance (feet) | Resolution |
|------------------|-----------------|-------------------|
| CAT5/CAT5e (UTP) | 300 | 1280x1024 at 60Hz |
| CAT5/CAT5e (UTP) | 150 | 1600x1200 at 60Hz |
| CAT5/CAT5e (UTP) | 100 | 1920x1440 at 60Hz |
| CAT6 (UTP) | 300 | 1024x768 at 60Hz |
| CAT6 (UTP) | 150 | 1280x1024 at 60Hz |
| CAT6 (UTP) | 100 | 1600x1200 at 60Hz |

KVM Extender Models

| Supported Features | NTI Part # | Maximum Extension (ft) | Local and Remote Unit Sizes WxDxH (in) |
|--------------------|----------------|------------------------|--|
| KVM | ST-C5KVM-600 | 600 | 3.5x3.1x1.2 |
| KVM + Audio | ST-C5KVMMA-600 | 600 | 3.5x3.1x1.2 |
| KVM + RS232 | ST-C5KVMRS-600 | 600 | 3.5x3.1x1.2 |
| KVM | ST-C5KVM-300 | 300 | 3.5x3.1x1.2 |
| KVM + Audio | ST-C5KVMMA-300 | 300 | 3.5x3.1x1.2 |



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