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.
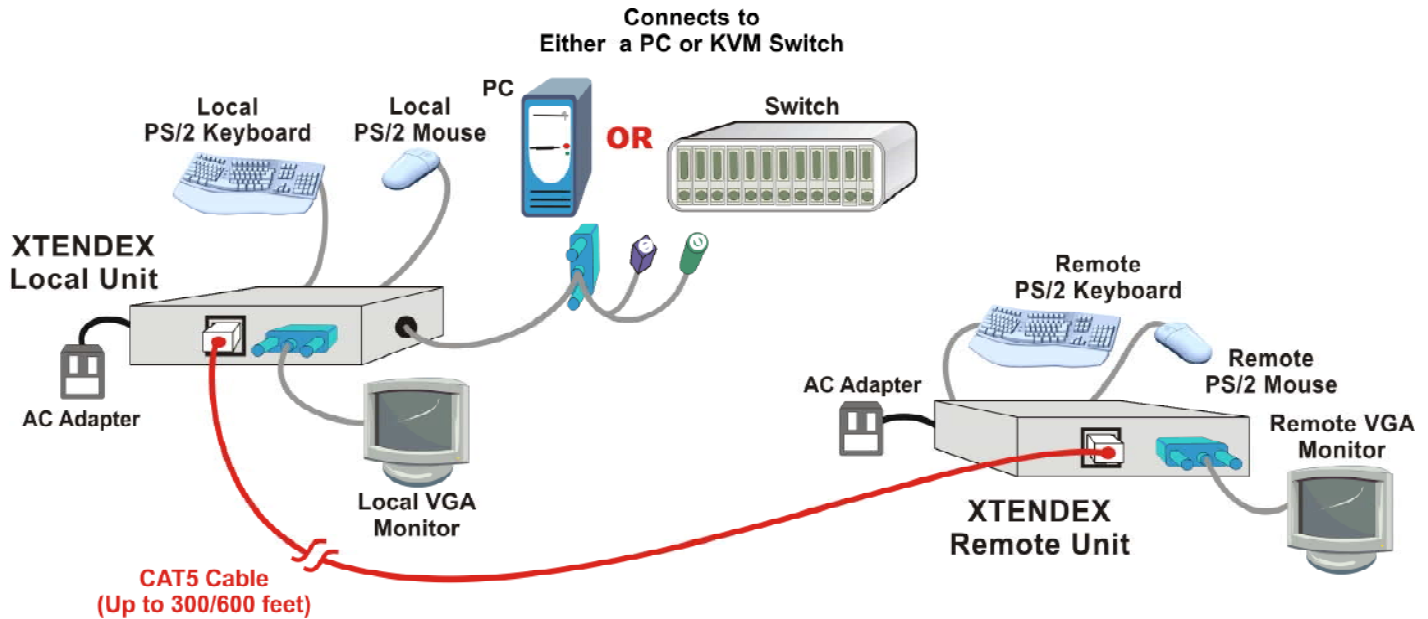
Regulatory Approvals

- CE, RoHS

Warranty

- Two years

NETWORK TECHNOLOGIES INCORPORATED

☎ **800.RGB.TECH (800.742.8324)**
Toll Free: US & Canada

330.562.7070
International calls

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

Configuration and Cable Illustration

Connects to Either a PC or KVM Switch

Local PS/2 Keyboard — Local PS/2 Mouse — PC — OR — Switch

XTENDEX Local Unit — AC Adapter — Local VGA Monitor

CAT5 Cable (Up to 300/600 feet)

Remote PS/2 Keyboard — Remote PS/2 Mouse — AC Adapter — Remote VGA Monitor — XTENDEX Remote Unit

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-C5KVMA-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-C5KVMA-300	300	3.5x3.1x1.2