

# VGA PS/2 KVM EXTENDER

Extend control up to 183 meters away from a PC or NTI KVM switch with no loss of signal

## Available options:

- **Audio**
- **RS232**
- **Local Unit Supporting Two Remote Users**



**XTENDEX® ST-C5KVM-600 (Remote and Local Units)**

## 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 183 meters using CAT5/5e/6 UTP cable.

- Sharpest and clearest VGA quality over CAT5 of any manufacturer.
- Supports two users: one local and one remote.
- Local unit provides local KVM access.
- Supports resolutions to 1920x1440.
- Allows local and remote access to network servers.
- Built-in surge protection.
- Optional external surge protection available.
- Available with optional stereo audio or RS232 control.
- Optional local unit supporting two remote users available – extend two remote units up to 183 meters.
  - Local access not available on local units supporting two remote users.
- Keep-alive keyboard/mouse emulation for flawless operation.
- Use in-house CAT5 wiring to locate a keyboard, monitor and mouse remotely.
- Optional VESA mounting bracket is available for mounting the remote unit to the back of a flat panel monitor.

## Specifications

### Local Unit

#### Host Connection

- Supports a PC, SUN Fire™ V20z, or NTI Switch.
- Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Linux, and FreeBSD.
- Male 15-pin HD/male 6-pin miniDIN connectors for PC or NTI KVM switch.
- Optional RS232 support - female 9-pin D connector.
- Optional stereo audio support - 3.5mm stereo plug.
- ST-2C5KVM(A/RS)-L-600: female 15-pin HD connector for downloading DDC table for remote monitor.

#### Local Access

- Crisp and clear 1920x1440 video resolution.
- Female 15-pin HD connector.
- Female 6-pin miniDIN connectors.
- Compatible with Japanese keyboard layout.
- Supports PS/2 mice including the IBM ScrollPoint mouse.
- Optional RS232 support - male 9-pin D connector.
- Optional stereo audio support - 3.5mm stereo jack.
- Local access not available on local units supporting two remote users, ST-2C5KVM(A/RS)-L-600.

### Remote Unit

- Supports resolutions up to 1920x1440; refer to the resolution chart on page 2 for resolutions at different lengths.
- Female 15-pin HD connector.
- Female 6-pin miniDIN connectors.
- Compatible with Japanese keyboard layout.
- Supports PS/2 mice including the IBM ScrollPoint mouse.
- Optional 3.5mm stereo audio connection.
- Optional male 9-pin D connector for RS232.

#### Video Quality Adjustment

- Automatically adjusts the video quality to compensate for varying lengths of CAT5 cable.

#### Dimensions

- WxDxH(cm): 8.9x7.9x3
- Weight: .54 kg

#### Power

- ST-C5KVM(A/RS)-600: 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- ST-2C5KVM(A/RS)-L-600: Powered from attached computer.

#### Regulatory Approvals

- CE, RoHS

#### Warranty

- Two years.

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## 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): 0.017%.
- 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.

### RS232

- Supports TXD, RXD, DTR, DSR, CTS and RTS.
- Baud rate up to 56000.
- Support for a touch screen monitor.

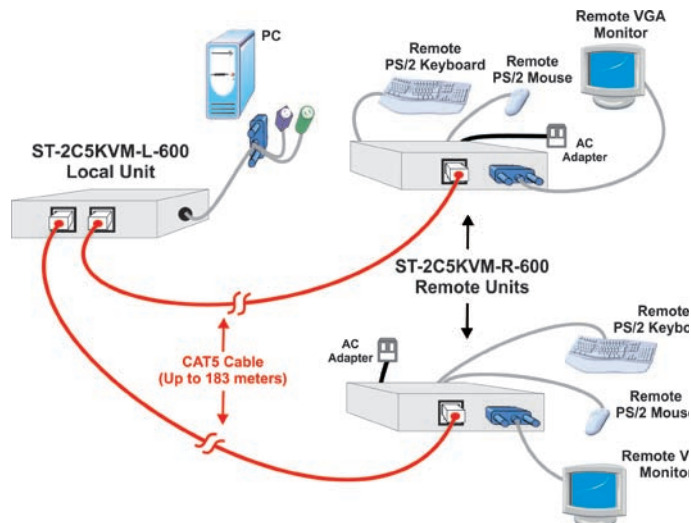
### CATx Surge Protector

- Protects equipment running on CATx unshielded twisted pair (UTP) cable against the effects of electrostatic discharge, faulty wiring and lightning.
- The use of two protectors on each end of the line will provide increased protection for each end against surges.
- Protected Pins: (1,2) (3,6) (4,5) and (7,8) pass through
- Impedance: 85 to 115 Ohms
- Surge Suppression: 22Vpeak @ 100A 2/10µs
- Dimensions WxDxH (in): 1x3.6x0.9

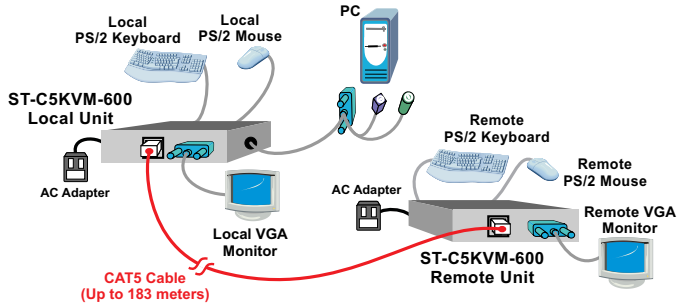
### Local Unit Supporting Two Remote Users

- Two RJ45 connectors for connecting two remote units.
- Two users can access the computer on a one at a time basis.
- Locked out user must wait three seconds after last keystroke or mouse movement occurs on active user.
- Features push button for downloading DDC data from monitor connected to VGA connector.

## Configuration and Cable Illustration



## Configuration and Cable Illustration



## Cables

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

## Distances and Resolutions for CAT5/Cat5e and CAT6 Cables

Cable	Distance (feet)	Maximum 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
CAT5/5e (STP), CAT6 (UTP)	300	1024x768 at 60Hz
CAT5/5e (STP), CAT6 (UTP)	200	1280x1024 at 60Hz
CAT5/5e (STP), CAT6 (UTP)	100	1920x1440 at 60Hz

## VGA PS/2 KVM Extender to 183 meters Models

Supported Features	Local or Remote	# of Ports	NTI Part #
KVM	Both	1	ST-C5KVM-600
KVM + Audio	Both	1	ST-C5KVMMA-600
KVM + RS232	Both	1	ST-C5KVMRS-600
KVM	Local	2	ST-2C5KVM-L-600
KVM + Audio	Local	2	ST-2C5KVMMA-L-600
KVM + RS232	Local	2	ST-2C5KVMRS-L-600
KVM	Remote	1	ST-C5KVM-R-600
KVM + Audio	Remote	1	ST-C5KVMMA-R-600
KVM + RS232	Remote	1	ST-C5KVMRS-R-600

### Caution

- Not an Ethernet device. Do not connect to an Ethernet device (card, router, switch, bridge). Permanent damage to the product or Ethernet device may result.



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