VGA PS/2 KVM Extender via CAT5: Extend to 600 Feet

XTENDEX®

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

- 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.
- Keep-alive keboard/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.



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

The XTENDEX® VGA PS/2 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 600 feet using CAT5/5e/6/6a cable.

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

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.
- 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.
- Optional stereo audio support – 3.5 mm stereo plug.

Local Access

- Crisp and clear 1920x1440 video resolution.
- One female 15-pin HD / two 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 - 3.5 mm stereo jack.

Video Quality Adjustment

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

Environmental

- Operating temperature: 32 to 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: 3.5x3.1x1.2 in (89x79x30 mm)
- Weight: 1.2 lbs (0.54 kg)

Regulatory Approvals

- CE, RoHS
- TAA compliant

Warranty

- Two years

Remote Unit

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

Power

- 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- Power Consumption: 10 W (each - local and remote unit).
- Use the PWR-48V-9V0-6A or PWR-12V-9V0-6A DC-DC power converter to install the local unit in a Telecom environment.

MTBF

NTI Part #	MTBF (hrs)	NTI Part #	MTBF (hrs)
ST-C5KVM-600 (local)	82,592	ST-C5KVM-600 (remote)	80,375
ST-C5KVMA-600 (local)	82,073	ST-C5KVMA-600 (remote)	79,710
ST-C5KVMRS-600 (local)	80,292	ST-C5KVMRS-600 (remote)	79,237

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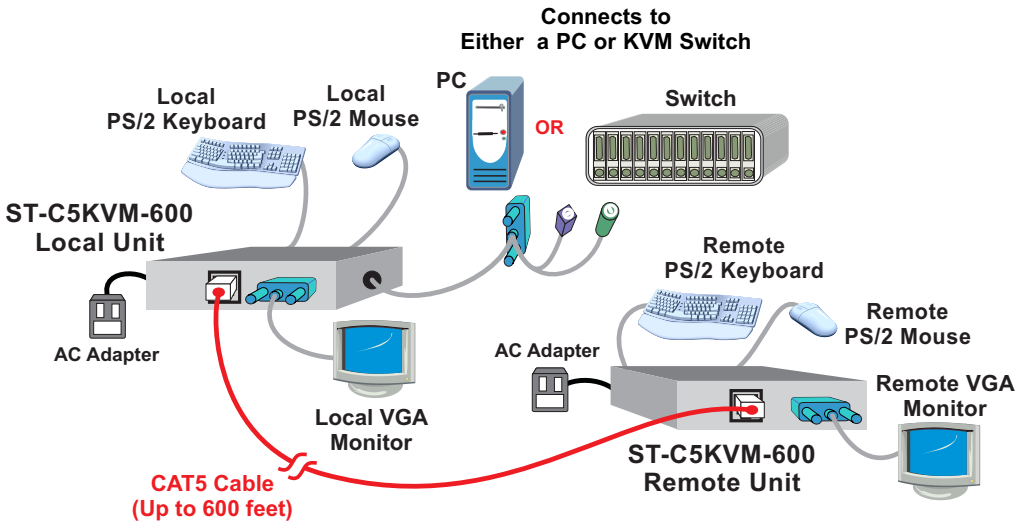
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Configuration and Cable Illustration



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): 0.017%.
- 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 Control

- 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: 1x3.6x0.9 in (25x91x23 mm)

VESA Mounting Bracket

- 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.

ST-C5KVM-600 Distances and Resolutions for CAT5/5e/6/6a Cables

Cable	Distance (ft)	Resolution
CAT5/CAT5e Solid (UTP)	600	1024x768 at 60Hz
	400	1280x1024 at 60Hz
	300	1600x1200 at 60Hz
	100	1920x1440 at 60Hz
CAT5/5e Solid STP, CAT6/6a Solid UTP	300	2048x1536 at 60Hz
	200	1920x1200 at 60Hz
	100	1920x1440 at 60Hz

VGA PS/2 KVM Extender to 600 Feet Models

Supported Features	NTI Part #
KVM	ST-C5KVM-600
KVM + Audio	ST-C5KVMA-600
KVM + RS232	ST-C5KVMRS-600

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