

KVM EXTENDER

Extend control up to 300 feet away from a PC or NTI KVM switch with no loss of signal

Available Options:

- **Audio**
- **Internal Power Supply**
- **VESA Mounting**



Built-In Surge Protection

Specifications

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 feet 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.
- Keep-alive keyboard/mouse emulation for flawless operation.
- Use in-house CAT5 wiring to locate a keyboard, monitor and mouse remotely.
- Available with optional internal power supply – eliminates dangling power adapter.
- Optional VESA mounting bracket is available for mounting the local or remote unit to the back of a flat panel monitor.

Features & Applications

Local Unit

Host Connection

- Supports a PC, SUN Fire™ V20z, or NTI Switch.
- Multiplatform support: Windows 2000/XP/Vista/Server 2000/2003/2008, Linux, and FreeBSD.
- Male 15-pin HD/male 6-pin miniDIN connectors for PC or NTI KVM switch.
- Optional stereo audio support – 3.5mm stereo plug

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.
- NTI recommends using identical keyboards and mice at local and remote units.
- Optional stereo audio support – 3.5mm stereo jack.

Remote Unit

- Supports resolutions up to 1920x1440; refer to the resolution chart for resolutions at different lengths.
- One female 15-pin HD connector.
- Two female 6-pin miniDIN connectors.
- Supports PS/2 mice including the IBM ScrollPoint mouse
- NTI recommends using identical keyboards and mice at local and remote units.
- Optional 3.5mm stereo audio connection.

Video Quality Adjustment

- Video quality adjustment for different lengths of CAT5/5e/6 cable is done manually.

MTBF			
NTI Part #	MTBF (hrs)	NTI Part #	MTBF (hrs)
ST-C5KVM-300 (local)	88,969	ST-C5KVM-300 (remote)	86,881
ST-C5KVMA-300 (local)	88,128	ST-C5KVMA-300 (remote)	85,768

Environmental

- Operating temperature: 32°F to 100°F (0°C to 38°C).
- Storage temperature: -20°F to 140°F (-30°C to 60°C).
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Power

- ST-C5KVM(A)-300
 - Local and remote unit: 110 or 220 VAC at 50 or 60 Hz via AC adapter.
 - Power Consumption: 10W (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.
- ST-C5KVM-300I
 - 110 or 220 VAC at 50 or 60 Hz

Regulatory Approvals

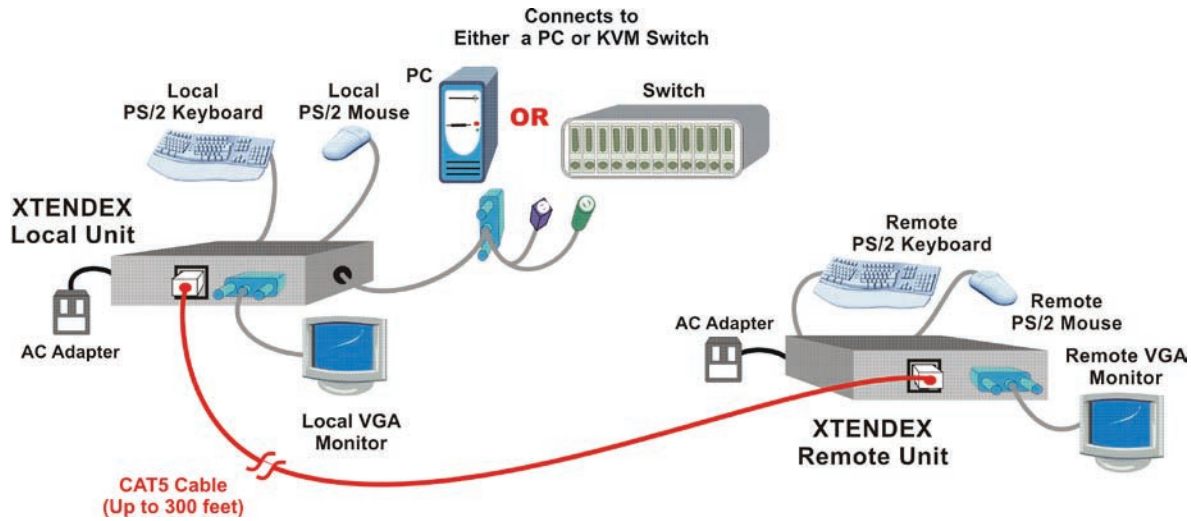
- CE, RoHS



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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.

VESA Mounting Bracket

- Use to mount the local or remote unit to the back of a flat panel monitor.
- Compliant to VESA 75mm and 100mm mounting hole patterns.
- Dimensions WxH (in): 9.7x4.8
- Compatible with the local or remote unit.



Remote unit mounted to the back of a flat panel monitor using ST-C5MK-VESA mounting kit

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



XTENDEX-SP



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.

Cables

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

Resolutions for ST-C5KVM-300

Cable	Distance (feet)	Resolution
CAT5/CAT5e (UTP)	300	1280x1024 at 60Hz
	150	1600x1200 at 60Hz
	100	1920x1440 at 60Hz
CAT5/5e (STP), CAT6 (UTP)	300	1024x768 at 60Hz
	150	1280x1024 at 60Hz
	100	1600x1200 at 60Hz

KVM Extender Models

Supported Features	NTI Part #	Local and Remote Unit Sizes WxDxH (in)
KVM	ST-C5KVM-300	3.5x3.1x1.2
KVM + Audio	ST-C5KVMMA-300	3.5x3.1x1.2
KVM + Internal Power Supply	ST-C5KVM-300I	5.9x3.1x1.2



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