

# KVM EXTENDER

Extend control up to 305 meters away from a PC with no loss of signal

## Available options:

- **Two-way Audio**
- **RS232**
- **Two-way Audio + RS232**



XTENDEX® ST-C5KVM2ARS-1000S (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 305 meters using CAT5/5e/6 UTP cable. The extender consists of a local unit that connects to a computer and a desktop remote unit (connects to a keyboard, monitor and mouse or the inputs of an NTI switch).

- Industry-leading ultra high resolutions up to 2048x1536.
- Adjust video quality and color skew for crystal clear video with longer cables.
- Available options: two-way audio (support for speakers and microphone), RS232, two-way audio + RS232.
- DDC2B support for local or remote monitor (user selectable).
- Built-in surge protection.

## Specifications

### Local Unit

#### Host Connection

- Supports a PS/2 PC.
- Multiplatform support: Windows 2000/XP/Server 2003/ Vista, Linux, and FreeBSD.
- One male 15-pin HD connector.
- Two-way audio option: two 3.5mm stereo plugs (audio in / mic out)
- RS232 option: female 9-pin D connector.
- Two-way audio + RS232 option: two 3.5mm stereo plugs (audio in / mic out), female 9-pin D connector

#### Local Access

- Crisp and clear 2048x1536 video resolution.
- One female 15-pin HD connector.
  - ◆ NTI recommends using identical keyboards and mice at local and remote units.
- Two-way audio option: two 3.5mm stereo jacks (audio out / mic in)
- RS232 option: female RJ45 connector.
- Two-way audio + RS232 option: two 3.5mm stereo jacks (audio out / mic in), female RJ45 connector.

### Remote Unit

- Supports resolutions up to 2048x1536.
- One female 15-pin HD connector.
- Two-way audio option: two 3.5mm stereo jacks (audio out / mic in)
- RS232 option: female RJ45 connector.
- Two-way audio + RS232 option: two 3.5mm stereo jacks (audio out / mic in), female RJ45 connector.

### Video Quality Adjustment

- Video quality adjustment, including color skew, for different lengths of CAT5/5e/6 cable is done manually.
  - Maximum delay: 62ns in 2ns steps.
- Use keyboard commands to adjust video quality and color skew.
- Settings are automatically stored in the unit. The next time the unit is powered on, the adjustment will be recalled.

### Dimensions

- WxDxH(mm): 128.35x78.74x31.37

### Power

- Local and remote unit: 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- Power Consumption: 10W (each - local and remote unit).

### Regulatory Approvals

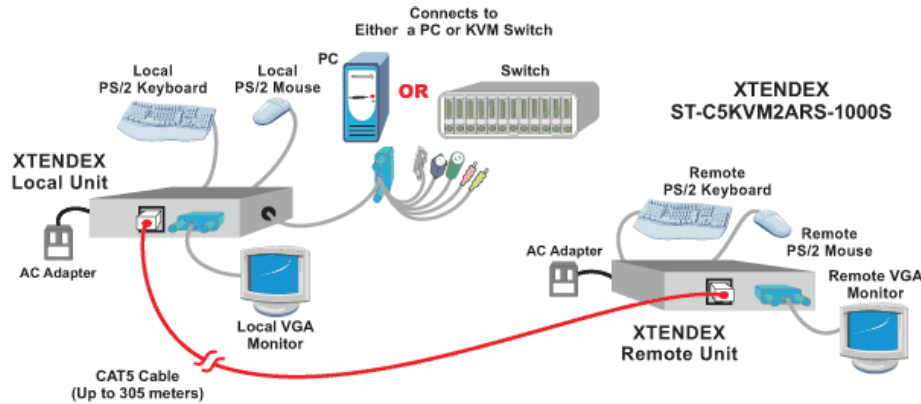
- CE, RoHS

### Warranty

- Two years.



### Configuration and Cable Illustration



### Options

- Choose between two-way audio, RS232, or two-way audio + RS232

#### Two-way Audio

- 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.
- Microphone
  - Microphone can be used locally and remotely, user selectable.
  - Supports electret microphones.
  - Input impedance: 10k Ohms.
  - Maximum I/O levels: 2.8V, unbalanced

#### RS232

- Supports TXD, RXD, DTR, DSR, DCD, CTS and RTS.
- Baud rate up to 57.6K.
- 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.

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

Cable	Distance (m)	Maximum Resolution
CAT5/5e (UTP)	305	1920x1200 at 60Hz
CAT5/5e (UTP)	240	1920x1440 at 60Hz
CAT5/5e (UTP)	180	2048x1536 at 60 Hz
CAT6 (UTP)	240	1920x1440 at 60Hz
CAT6 (UTP)	180	2048x1536 at 60Hz
CAT5/5e/6 (STP)	240	1920x1200 at 60Hz
CAT5/5e/6 (STP)	180	1920x1440 at 60Hz
CAT5/5e/6 (STP)	120	2048x1536 at 60Hz

### KVM Extender Models

Supported Features	NTI Part #
KVM	ST-C5KVM-1000S
KVM + two-way audio	ST-C5KVM2A-1000S
KVM + RS232	ST-C5KVMRS-1000S
KVM + two-way audio + RS232	ST-C5KVMARS-1000S

