

# USB KVM EXTENDER

Extend USB keyboard, USB mouse and VGA monitor up to 91 meters



**XTENDEX® ST-C5USBV-300 (Remote and Local Units)**

## Features & Applications

The XTENDEX® USB KVM Extender extends a USB keyboard/mouse and VGA display up to 91 meters via CAT5/5e/6 cable. Each ST-C5USBV-300 consists of a local unit that connects to a computer and provides local keyboard, monitor and mouse connections, and a remote unit that connects to a keyboard, monitor and mouse. The local and remote units are interconnected via CAT5/5e/6 cable.

- Supports local and remote access.
- Compatible with all video resolutions up to WUXGA (dependant upon CAT5/5e/6 extension length).
- Maximum 1024x768 video resolution at 91 meters; higher resolutions are supported at shorter distances up to 1920x1440 (see page 2).
- Keyboard and mouse are hot-pluggable.
- Keep-alive keyboard/mouse emulation for flawless operation.
- Built-in surge protection.
- Available with optional stereo audio.
- Allows users to back-rack broadcast quality servers without impact to post-production operations.

## Specifications

### Local Unit

#### Host Connection

- One male 15-pin HD / one male USB Type A connectors.
- Supports any USB-enabled PC, SUN or MAC computer, or NTI UNIMUX™ KVM switch.

#### Local Access

- Crisp and clear 1920x1440 video resolution.
- One female 15-pin HD connector.
- Two female USB Type A connectors.
- NTI recommends using identical keyboards and mice at local and remote units.
  - ◆ Supports most wireless keyboards and mice.

### Remote Unit

- Supports resolutions up to 1920x1440; refer to the resolution chart on page 2 for resolutions at different lengths.
- One female 15-pin HD connector.
- Two female USB Type A connectors.
- The ST-C5USBV-300 will only work with USB keyboards and mice. It is not designed to support other USB devices.
  - Keyboard and mouse must be of the same platform.
  - Supports most wireless keyboards and mice.

### Video Quality Adjustment

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

### Power

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

### Regulatory Approvals

- CE, RoHS

### Environmental

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

### Dimensions

- WxDxH (mm): 88x78x30

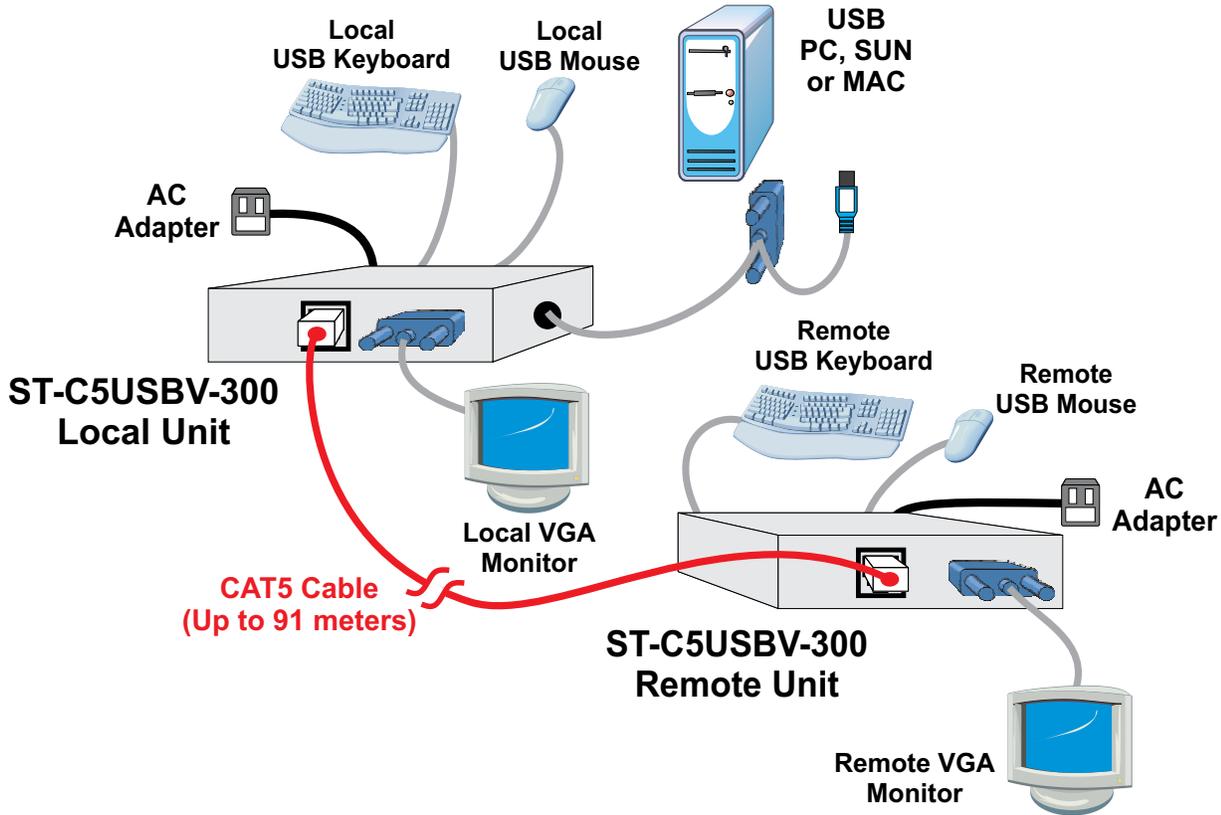
### Warranty

- Two years.

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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.
- Maximum I/O levels: 3.1Vp-p (line level).

## Cables

- Use CAT5, CAT5e or CAT6 UTP 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 (m)	Maximum Resolution
CAT5/CAT5e/CAT6 (UTP)	91	1024x768 at 60Hz
CAT5/CAT5e/CAT6 (UTP)	45	1600x1200 at 60Hz
CAT5/CAT5e/CAT6 (UTP)	30	1920x1440 at 60Hz
CAT5/5e (STP)	91	1024x768 at 60Hz
CAT5/5e (STP)	45	1280x1024 at 60Hz
CAT5/5e (STP)	30	1600x1200 at 60Hz

### USB KVM Extender Models

Supported Features	NTI Part #	Size WxDxH (mm)
USB KVM Extender	ST-C5USB-300	88x78x30
USB KVM Extender + audio	ST-C5-USBA-300	88x78x30



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