VGA USB KVM EXTENDER WITH AUDIO OPTION TO 300 FEET

Extend USB keyboard, USB mouse and VGA monitor up to 300 feet

Available options:
- **Audio**
- **Local Unit Supporting Two Remote Users**

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

Features & Applications

The XTENDEX® VGA USB KVM Extender extends a USB keyboard/mouse and VGA display up to 300 feet 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).
- Supports resolutions to 1920x1440.
- High quality, rugged steel construction with durable powder coat finish.
- Keyboard and mouse are hot-pluggable.

- Keep-alive keyboard/mouse emulation for flawless operation.
- Built-in surge protection.
- Available with optional stereo audio.
- Optional local unit supporting two remote users available – extend two remote units up to 300 feet.
  - Local access not available on local units supporting two remote users.

Specifications

Local Unit

Host Connection

- Supports a USB Computer (PC, SUN, MAC).
- Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD and MAC OS 9/10.
- One male 15-pin HD and one male USB Type A connectors.
- Optional stereo audio support – 3.5mm stereo plug.
- ST-2C5USBV(A)-L-300: one female 15-pin HD connector for downloading DDC table for remote monitor.

Local Access

- Crisp and clear 1920x1440 video resolution.
- One female 15-pin HD connector and two female USB Type A connectors.
- Optional stereo audio support – 3.5mm stereo plug.
- Local access not available on local units supporting two remote users, ST-2C5USBV(A)-L-300.

Remote Unit

- Supports resolutions to 1920x1440; refer to the resolution chart on page 11.
- One female 15-pin HD connector and two female USB Type A connectors.
- Optional stereo audio support – 3.5mm stereo plug.
- The ST-C5USBV-300 will only work with USB (low/full speed) keyboards and mice. It is not designed to support other USB devices.
  - Supports most wireless keyboards and mice.

Video Quality Adjustment

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

Power

- ST-C5USBV(A)-300: 110 or 220 VAC at 50 or 60 Hz via AC adapter.
- ST-2C5USBV(A)-L-300: powered from attached computer.
- Power consumption: 10W (each – local and remote unit)

MTBF			
NTI Part #	**Hours**	**NTI Part #**	**MTBF**
ST-C5USBV-300 (local)	79,100	ST-C5USBV-300 (remote)	81,956
ST-C5USBVA-300 (local)	78,104	ST-C5USBVA-300 (remote)	78,742

Dimensions

- WxDxH(in): 3.5x3.1x1.2

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.
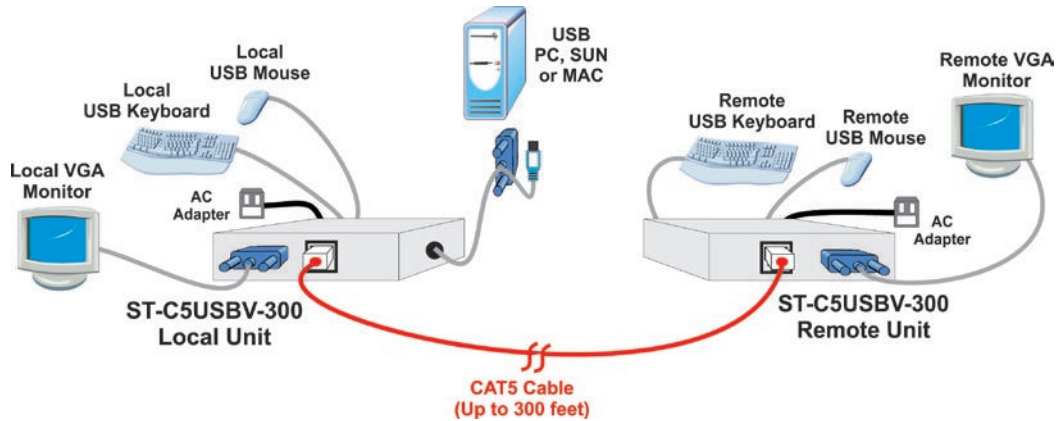
Regulatory Approvals

- CE, RoHS

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XTENDEX®

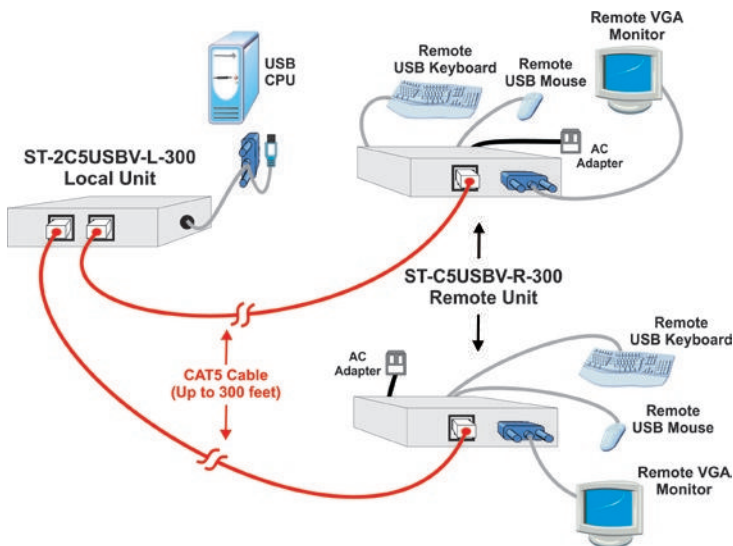## Configuration and Cable Illustrations of ST-C5USBV-300

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): <0.06%.
- Stereo crosstalk: -70 dB at 1 kHz.
- Maximum load: 2k Ohms, unbalanced
- Input impedance: 10k Ohms.
- Line level output; supports powered speakers.
- Maximum I/O levels: 3.1Vp-p (line level).

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 of ST-2C5USBV-L-300 and ST-C5USBV-R-300

Distances and Resolutions for CAT5/Cat5e and CAT6 Cables

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

Cables

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

VGA USB KVM Extender Models

Supported Features	Local or Remote	# of Ports (Local Unit)	NTI Part #
USB KVM	Both	1	ST-C5USBV-300
USB KVM + Audio	Both	1	ST-C5USBVA-300
USB KVM	Local	2	ST-2C5USBV-L-300
USB KVM + Audio	Local	2	ST-2C5USBVA-L-300
USB KVM	Remote	NA	ST-C5USBV-R-300
USB KVM + Audio	Remote	NA	ST-C5USBVA-R-300

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www.networktechinc.com/usbkvm-300.html

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