VGA USB KVM Extender via CAT5 with Audio Option
XTENDEX®

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

- Supports local and remote access.
- Compatible with all video resolutions up to WUXGA (dependant u CAT5/5e/6/6a extension length).
- Supports resolutions to 1920x1440.
- High quality, rugged steel construction with durable powder coat fi
- Keyboard and mouse are hot-pluggable.
  - **Works with USB keyboards and mice only – does not suppo other USB devices.**
- Keep-alive keyboard/mouse emulation for flawless operation.
- Built-in surge protection.
- Available with optional stereo audio.
- Integrated mounting brackets for easy surface/wall mounting.
- Allows users to back-rack broadcast quality servers without impact to post-production operations.

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

The XTENDEX® ST-C5USBV-300 USB KVM extender extends a USB keyboard/mouse and VGA display up to 300 feet via CAT5/5e/6/6a 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/6/6a cable.

- **Works with USB keyboards and mice – does not support other USB devices**
- **Optional audio**

Specifications

Local Unit

Host Connection
- Supports a USB computer (PC, MAC).
- Multiplatform support: Windows 7/8/10/11, Windows Server 2008/2012/2016/2019/2022, Linux, FreeBSD, and MAC OS 10/11/12/13.
- One male 15-pin HD / one male USB Type A connectors.
- Optional stereo audio support - 3.5 mm stereo plug.

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 - 3.5 mm stereo plug.
- Supports most USB keyboards and mice, including wireless models.
  - Supports Logitech M100/M-BZ96C/M310 and Dell 0XN967/ K251D/XN966/0Y357C mice.

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

Cables
- Use CAT5/5e/6/6a straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

Power
- Local and remote unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US, EURO, UK or AUS AC adapter included.)
  - Output: 9VDC, 1A
  - Power consumption: 10W

Remote Unit
- Supports resolutions up to 1920x1440; refer to the resolution chart below for resolutions at different lengths.
  - One female 15-pin HD connector and two female USB Type A connectors.
- Optional stereo audio support - 3.5 mm stereo plug.
- 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 USB keyboards and mice, including wireless models.
    - Supports Logitech M100/M-BZ96C/M310 and Dell 0XN967/ K251D/XN966/0Y357C mice.

Environmental
- Operating temperature: 32 to 100°F (0 to 38°C).
- Storage temperature: -22 to 140°F (-30 to 60°C).
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Dimensions
- WxDxH: 3.5x3.1x1.3 in (89x79x33 mm)

Regulatory Approvals
- CE, RoHS
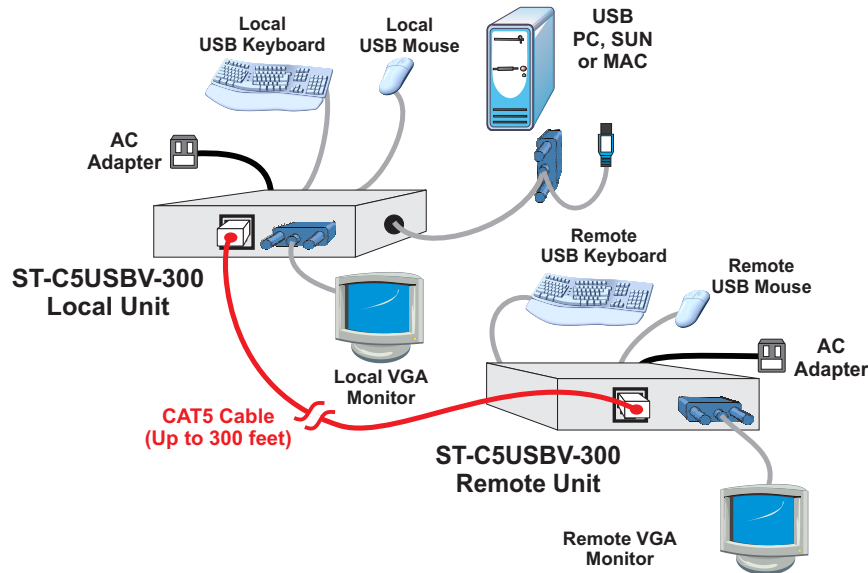- TAA compiant

Warranty
- Two years

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

NETWORK TECHNOLOGIES INC

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

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).

Distances and Resolutions for CAT5/5e/6 Cables

Cable	Distance (feet)	Resolution
CAT5/CAT5e Solid UTP	300	1280x1024 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
CAT6a Solid UTP	300	1024x768 at 60 Hz
	150	1280x1024 at 60 Hz
	100	1920x1200 at 60Hz

VGA USB KVM Extender Models

Supported Features	NTI Part #
USB KVM	ST-C5USBV-300
USB KVM + Audio	ST-C5USBVA-300

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