VGA EXTENDER

Extend a VGA monitor up to 300 feet away from a computer

Available options:
- **Audio**

DIGITAL SIGNAGE

XTENDEX® ST-C5VA-300 (Remote and Local unit)

Features & Applications

The XTENDEX® VGA Extender transmits VGA video up to 300 feet away from a computer using CAT5/5e/6 cable. Each video extender consists of a local unit that connects to a computer and also supplies video to a local monitor, and a remote unit that connects to a monitor.

- Ideal solution for digital signage applications.
- Supports local and remote VGA monitors.
- Supports resolutions to 1920x1440.
- Sharpest and clearest VGA quality over CAT5 of any manufacturer.

- Built-in surge protection.
- Available with optional stereo audio.
- Use in-house CAT5/5e/6 phone wiring to locate a monitor remotely.
- Optional VESA mounting bracket is available for mounting the local or remote unit to the back of a flat panel monitor.

Specifications

Local Unit

Host Connection

- Supports a PC, SUN, MAC or NTI switch with VGA video.
- Multiplatform support: Windows 2000/XP/Vista/Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- Male 15-pin HD connector for computer connection.
- Optional stereo audio support – 3.5mm stereo plug.

Local Access

- Crisp and clear 1920x1440 video resolution.
- Female 15-pin HD connector for local VGA monitor.
- Optional stereo audio support – 3.5mm stereo jack.

Remote Unit

- Supports resolutions up to 1920x1440; refer to the resolution chart on page 2 for resolutions at different lengths.
- Female 15-pin HD connector.
- Optional 3.5mm stereo audio connection.

Video Quality Adjustment

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

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.

Dimensions

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

Power

- Local unit: 110 or 220 VAC at 50 or 60 Hz via AC adapter (included).
- Remote unit: powered from local unit via CAT5/5e/6 cable.
- Power Consumption: Local unit: 10W; Remote unit: powered from local unit

MTBF			
NTI Part #	MTBF (hrs)	NTI Part #	MTBF (hrs)
ST-C5V-300 (local)	92,988	ST-C5V-300 (remote)	89,275
ST-C5VA-300 (local)	89,874	ST-C5VA-300 (remote)	86,360

Regulatory Approvals

- CE, RoHS

Warranty

- Two years.

NTI **NETWORK TECHNOLOGIES INCORPORATED**

☎ **800.RGB.TECH (800.742.8324)**
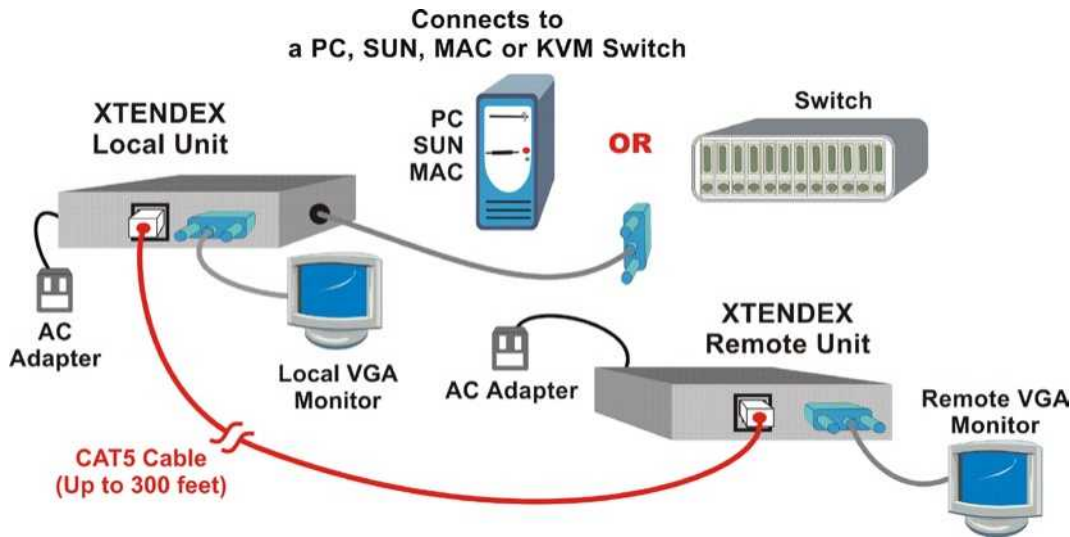**Toll Free: US & Canada**

✆ **330.562.7070**
International calls

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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.

Cables

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

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

Distances and Resolutions for CAT5/Cat5e and CAT6 Cables

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

VGA Extender Models

Supported Features	NTI Part #
VGA	ST-C5V-300
VGA + audio	ST-C5VA-300
VESA Mounting Kit	ST-C5MK-VESA

⚠ 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.