VGA EXTENDER

Extend a VGA monitor up to 183 meters away from a computer

Available options:
- **Audio**
- **RS232**

DIGITAL SIGNAGE

XTENDEX® ST-C5V-600 (Remote and Local unit)

Features & Applications

The XTENDEX® VGA Extender transmits VGA video up to 183 meters 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 or RS232 control.
- Use in-house CAT5/5e/6 phone wiring to locate a monitor remotely.
- Optional VESA mounting bracket is available for mounting the 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.
- Optional RS232 support – female 9-pin D connector.

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.
- Optional RS232 support – male 9-pin D connector.

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.
- Optional male 9-pin D connector for RS232.

Video Quality Adjustment

- Video quality adjustment for different lengths of CAT5/5e/6 cable is done manually for the video-only extender, and automatically for audio/video or video/RS232 extender.

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

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).

MTBF			
NTI Part #	**MTBF (hrs)**	**NTI Part #**	**MTBF (hrs)**
ST-C5V-600 (local)	88,708	ST-C5V-600 (remote)	80,625
ST-C5VA-600 (local)	84,744	ST-C5VA-600 (remote)	82,214
ST-C5VRS-600 (local)	82,338	ST-C5VRS-600 (remote)	79,714

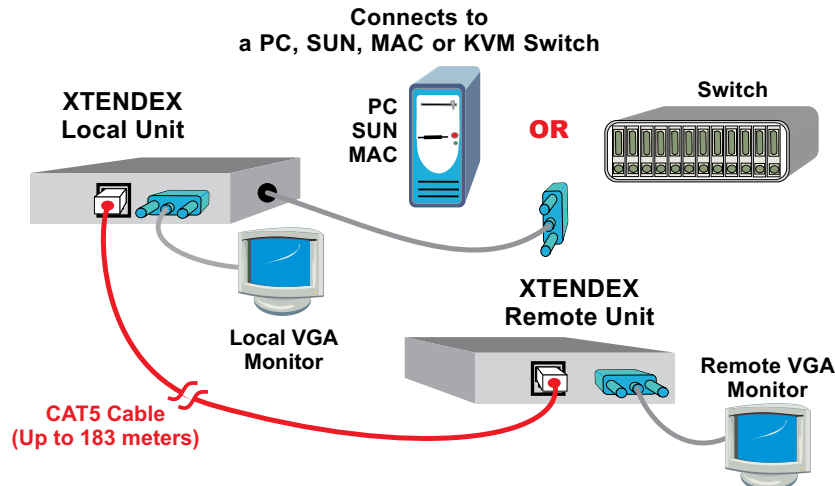### Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years.

NTI NETWORK TECHNOLOGIES INCORPORATED

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Toll Free: US & Canada

📞 **330.562.7070**
International calls

Configuration and Cable Illustration

**Connects to
a PC, SUN, MAC or KVM Switch**

**XTENDEX
Local Unit**

**PC
SUN
MAC**

OR

Switch

**XTENDEX
Remote Unit**

**Local VGA
Monitor**

**Remote VGA
Monitor**

**CAT5 Cable
(Up to 183 meters)**

Options

- Choose between stereo audio or RS232.

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.

RS232

- Supports TXD, RXD, DTR, DSR, CTS and RTS.
- Baud rate up to 56000.

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 (mm)	Maximum Resolution
CAT5/CAT5e (UTP)	183	1024x768 at 60Hz
CAT5/CAT5e (UTP)	122	1280x1024 at 60Hz
CAT5/CAT5e (UTP)	91	1600x1200 at 60Hz
CAT5/CAT5e (UTP)	30	1920x1440 at 60Hz
CAT5/5e (STP), CAT6 (UTP)	91	1024x768 at 60Hz
CAT5/5e (STP), CAT6 (UTP)	61	1280x1024 at 60Hz
CAT5/5e (STP), CAT6 (UTP)	30	1920x1440 at 60Hz

VESA Mounting Bracket

- Use to mount the remote unit to the back of a flat panel monitor.
- Compliant to VESA 75mm and 100mm mounting hole patterns.
- Dimensions WxH (mm): 246.38x121.92
- Compatible with the remote unit.

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

VGA Extender Models

Supported Features	NTI Part #
VGA	ST-C5V-600
VGA + audio	ST-C5VA-600
VGA + RS232	ST-C5VRS-600
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.

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