

VGA Video/Audio Extender via CAT5

XTENDEX®

Extend a VGA monitor up to 600 feet away from a computer

- Ideal solution for digital signage applications.
- Supports local and remote VGA monitors.
- Supports resolutions to 1920x1440.
- Available with optional stereo audio or RS232 control.
- Built-in surge protection.
- Sharpest and clearest VGA quality over CAT5 of any manufacturer.
- Use in-house CAT5/5e/6/6a 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.



XTENDEX® ST-C5V-600 (Remote & Local Unit)

- Audio
- RS232

The XTENDEX® VGA Extender transmits VGA video up to 600 feet away from a computer using CAT5/5e/6/6a 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.

Specifications

Local Unit

Host Connection

- Multiplatform support: Windows 7/8/10/11, Windows Server 2008/2012/2016/2019/2022, Solaris, Linux, FreeBSD, and MAC OS 10/11/12.
- Male 15-pin HD connector for computer connection.
- Optional RS232 support - female 9-pin D connector.
- Optional stereo audio support - 3.5 mm stereo plug.

Local Access

- Crisp and clear 1920x1440 video resolution.
- Female 15-pin HD connector for local VGA monitor.
- Video signal to noise ratio: >55dB
- Distortion: 65dB at 5MHz
- Optional RS232 support - male 9-pin D connector.
- Optional stereo audio support - 3.5 mm stereo jack.

Remote Unit

- Supports resolutions up to 1920x1440; refer to the resolution chart below for resolutions at different lengths.
- Video signal to noise ratio: >55dB
- Distortion: 65dB at 5MHz
- Female 15-pin HD connector.
- Optional 3.5 mm stereo audio connection.
- Optional male 9-pin D connector for RS232.

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.

Cables

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

Regulatory Approvals

- CE, RoHS
- TAA compliant

Video Quality Adjustment

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

Power

- Local and remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (Country-specific AC adapters included.)
- Power Consumption: 10 W (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

Dimensions:

- WxDxH: 3.5x3.1x1.2 in (89x79x30 mm)
- Weight: 1.2 lbs (0.54 kg)

Warranty

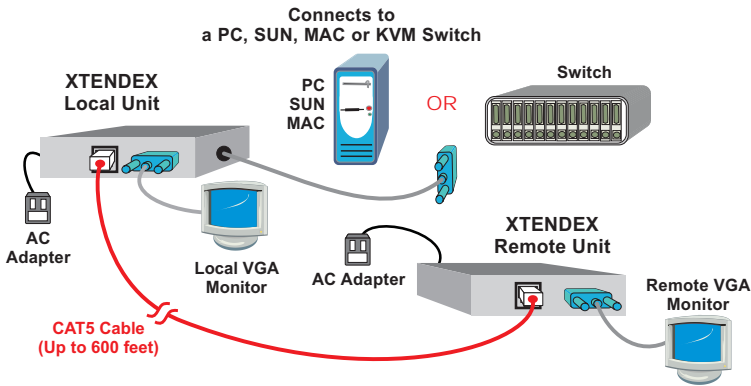
- Two Years

Compatible NTI Products

- Combine NTI's extenders, switches, splitters and cables for complex applications.
 - VGA/Component Video to HDMI Converter (VGACMP-HD)

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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.

RS232 Control

- Supports TXD, RXD, DTR, DSR, CTS and RTS.
- Baud rate up to 56000.
- Support for a touch screen monitor.

VESA Mounting Bracket

- Use to mount the remote unit to the back of a flat panel monitor.
- Compliant to VESA 75 and 100 mm (3 and 3.9 in) mounting hole patterns.
- Dimensions WxH (in): 9.7x4.8
- Compatible with the remote unit only.



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 (ft)	Maximum Resolution
CAT5/5e Solid UTP	600	1024x768 at 60Hz
	400	1280x1024 at 60Hz
	300	1600x1200 at 60Hz
	100	1920x1440 at 60Hz
CAT5/5e Solid STP, CAT6/6a Solid UTP	300	1024x768 at 60Hz
	200	1280x1024 at 60Hz
	100	1920x1440 at 60Hz

VGA Extender Models

Supported Features	Local or Remote	# of Ports	NTI Part #
VGA	Both	1	ST-C5V-600
VGA + Audio	Both	1	ST-C5VA-600
VGA + RS232	Both	1	ST-C5VRS-600
VGA	Remote	1	ST-C5V-R-600
VGA + Audio	Remote	1	ST-C5VA-R-600