

Hi-Res VGA Video/Audio Extender with RS232 via CAT5

XTENDEX®

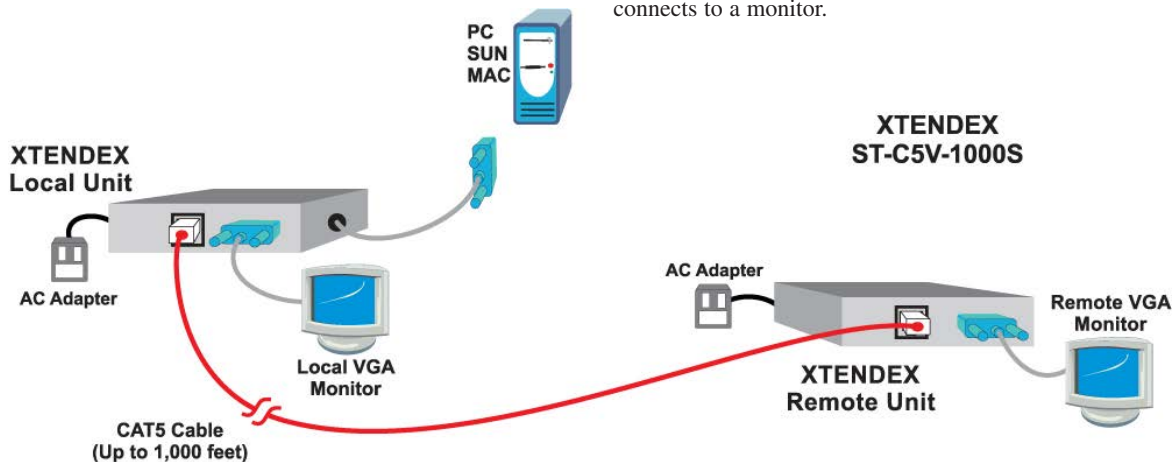
Remote VGA video and two-way audio up to 1000 feet away without degradation.

- Industry-leading ultra high resolutions up to 2048x1536.
- High quality, rugged steel construction with durable powder coat finish.
- Automatically adjust video quality and color skew for crystal clear video with longer cables.
- Features: two-way audio (support for speakers and microphone) and RS232.
- DDC2B support for local or remote monitor (user selectable).
- Built-in surge protection.



XTENDEX® ST-C5V2ARS-1000S Remote and Local Units

The XTENDEX® VGA Video/Audio Extender transmits VGA video and two-way audio up to 1,000 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.



Specifications

Local Unit

Host Connection

- Supports computers with VGA video.
- Multiplatform support: Windows 2000/XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- One male 15-pin HD connector.
- Two 3.5 mm stereo plugs (audio in/mic out).
- One female 9-pin D RS232 connector.

Remote Unit

- Supports resolutions up to 2048x1536.
- One female 15-pin HD connector.
- Two 3.5 mm stereo jacks (audio out/mic in).
- One female RJ45 RS232 connector.

Local Access

- Crisp and clear 2048x1536 video resolution.
- One female 15-pin HD connector.
- Two 3.5 mm stereo jacks (audio out/mic in).
- One female RJ45 connector.

Video Quality Adjustment

- Automatically adjusts the video quality and color skew to compensate for varying lengths of CAT5/5e/6 cable.
 - Maximum delay: 62 ns in 2 ns steps.
- Fine adjustment available via push buttons on the remote unit.
- Settings are automatically stored in the unit. The next time the unit is powered on, the adjustment will be recalled.
- Test Pattern for Cable Length and Skew

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Specifications (Continued)

Environmental

- Operating temperature: 32°F to 122°F (0°C to 50°C)
- Storage temperature: -20°F to 140°F (-30°C to 60°C)
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

Two-way Audio

- 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.
- Microphone
 - Microphone can be used locally and remotely, user selectable.
 - Supports electret microphones.
 - Input impedance: 10k Ohms.
 - Maximum I/O levels: 2.8V, unbalanced

RS232

- Supports TXD, RXD, DTR, DSR, DCD, CTS and RTS.
- Baud rate up to 57.6K.
- Support for a touch screen monitor.

Dimensions

- WxDxH (in): 5.05x3.08x1.09

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).

Regulatory Approvals

- CE, RoHS

Warranty

- Two years.

Cables

- Use CAT5, CAT5e or CAT6 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
 - Supports minimum cable length of 100 feet and maximum length of 1,000 feet.
 - Cables not included.



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.

Distances and Resolutions for CAT5/Cat5e and CAT6 Cables

| Cable | Distance (ft) | Resolution |
|------------------|---------------|-------------------|
| CAT5/CAT5e (UTP) | 1000 | 1920x1200 at 60Hz |
| | 800 | 1920x1440 at 60Hz |
| | 600 | 2048x1536 at 60Hz |
| CAT6 (UTP) | 800 | 1920x1440 at 60Hz |
| | 600 | 2048x1536 at 60Hz |
| CAT5/5e (STP) | 800 | 1920x1200 at 60Hz |
| | 600 | 1920x1440 at 60Hz |
| | 400 | 2048x1536 at 60Hz |
| CAT6 (STP) | 400 | 1280x1024 at 60Hz |
| | 300 | 1600x1200 at 60Hz |
| | 200 | 2048x1536 at 60Hz |