

Transparent USB Extender with VGA Video

XTENDEX®

Extend four USB devices and a VGA monitor up to 200 feet (61 meters)

- Supports fully transparent USB connections — supports all USB computers (PC, SUN and MAC) and their associated peripherals.
- Extend devices such as keyboards, mice, printers, game controllers, USB flash drives, touch screen monitors, whiteboards, etc.
- Supports local and remote VGA monitors.
- Supports resolutions to 2048x1536.
- DDC2B support for local or remote monitor.
- Compliant with USB 2.0 (low/full speed) standards.
- Supports Plug-n-Play specification.
- Meets the electrostatic discharge (ESD) immunity requirements of IEC/EN 61000-4-2.
- Available options: dual video, dual video + two-way audio (support for speakers and microphone) + RS232.
 - ST-C5USBVT: Transmits signals over one CATx cable.
 - ST-C5USB2VT: Transmits signals over two CATx cables.
 - ST-C5USB2V2ARST: Transmits signals over two CATx cables.



ST-C5USBVT (Remote Unit, Front and Back)

The Transparent VGA USB Extender extends four USB devices and a VGA monitor up to 200 feet (61 meters). Each USB 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 four USB devices and a monitor.

Specifications

Local Unit

- Host Connection
 - Supports USB computers (PC, SUN and MAC) with VGA video.
 - ST-C5USBVT: one male 15-pin HD and one female USB Type B connectors.
 - ST-C5USB2VT: two male 15-pin HD and one female USB Type B connectors.
 - ST-C5USB2V2ARST: two male 15-pin HD, one female USB Type B, two female 3.5mm stereo, and one female RJ45 EIA-232 serial port connectors.
- Local Access
 - Crisp and clear 2048x1536 video resolution.
 - ST-C5USBVT: one female 15-pin HD connector for local VGA monitor.
 - ST-C5USB2VT and ST-C5USB2V2ARST: two female 15-pin HD connectors for local dual VGA monitors.

Remote Unit

- ST-C5USBVT: one female 15-pin HD and four female USB Type A connectors.
- ST-C5USB2VT: two female 15-pin HD and four female USB Type A connectors.
- ST-C5USB2V2ARST: two female 15-pin HD, four female USB Type A, two female 3.5mm stereo, and one female RJ45 EIA-232 serial port connectors.
- Provides support for full-speed (12 Mbps) or low-speed (1.5 Mbps) USB devices.
 - Compatible with USB touch screen monitors, including HP Compaq L2105tm and Elo 1515L.
- Supports resolutions to 2048x1536.
- Video quality adjustment for different lengths of CATx cable is done manually.

Power

- ST-C5USBVT:
 - Local unit: powered from attached computer.
 - Remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US, EURO, UK or AUS AC adapter included.)
- ST-C5USB2VT and ST-C5USB2V2ARST:
 - Local/Remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US, EURO, UK or AUS AC adapter included.)
- The combined current consumption of the connected devices cannot exceed 1.4A

Cables

- ST-C5USBVT: one 3-foot (0.9-meter) VGA + USB cable included.
- ST-C5USB2VT: one 3-foot (0.9-meter) VGA + USB and one 3-foot (0.9-meter) VGA cables included.
- ST-C5USB2V2ARST: one 3-foot (0.9-meter) VGA + USB, one 3-foot (0.9-meter) VGA, two 3.5mm audio, and one RJ45 EIA-232 serial cables included.
- Use CAT5e/6/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

Environmental

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

Dimensions WxDxH:

- ST-C5USBVT: 5.14x3.07x1.09 in (131x78x28 mm)
- ST-C5USB2VT: 5.14x3.07x1.69 in (131x78x43 mm)
- ST-C5USB2V2ARST: 5.14x3.07x1.69 in (131x78x43 mm)

Regulatory Approvals

- CE, RoHS

Warranty

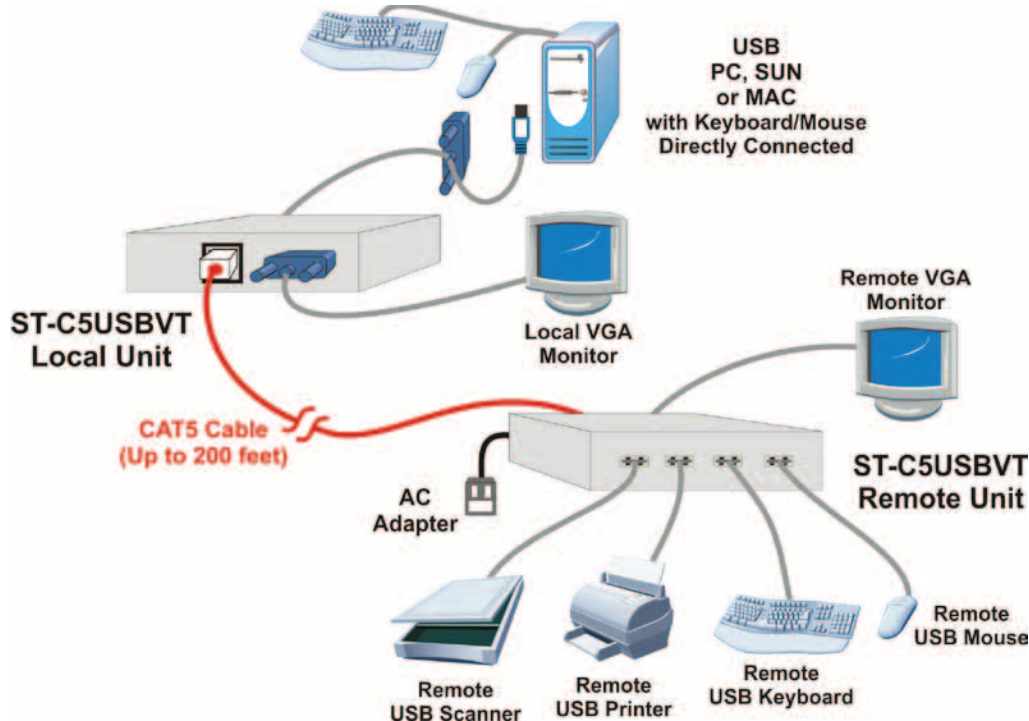
- Two years

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Configuration and Cable Illustrations



Cables

- ST-C5USBVT: one 3-foot (0.9-meter) VGA + USB cable included.
- ST-C5USB2VT: one 3-foot (0.9-meter) VGA + USB and one 3-foot (0.9-meter) VGA cables included.
- ST-C5USB2V2ARST: one 3-foot (0.9-meter) VGA + USB, one 3-foot (0.9-meter) VGA, two 3.5mm audio, and one RJ45 EIA-232 serial cables included.
- Use CAT5e/6/7 straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

MTBF

NTI Part #	MTBF
ST-C5USBVT (local)	42,675
ST-C5USBVT (remote)	44,623
ST-C5USB2VT (local)	34,628
ST-C5USB2VT (remote)	41,135
ST-C5USB2V2ARST (local)	33,710
ST-C5USB2V2ARST (remote)	41,109

USB Extender with VGA Video Models

Supported Features	NTI Part #	Local and Remote Units Size WxDxH in (mm)
VGA + USB	ST-C5USBVT	5.14x3.07x1.09 (131x78x28)
Dual VGA + USB	ST-C5USB2VT	5.14x3.07x1.69 (131x78x43)
Dual VGA + USB + two-way audio + RS232	ST-C5USB2V2ARST	5.14x3.07x1.69 (131x78x43)

Distances and Resolutions for CAT5e/CAT6 and CAT7 Cables

Cable	Distance ft (m)	Resolution
CAT5e Solid UTP	200 (61)	2048x1536 at 60Hz
CAT5e Stranded UTP/STP	100 (30.5)	2048x1536 at 60Hz
	200 (61)	1280x1024 at 60Hz
CAT6 Solid UTP	100 (30.5)	1920x1440 at 60Hz
	150 (46)	1600x1200 at 60Hz
CAT6 550MHz Solid UTP	100 (30.5)	2048x1536 at 60Hz
	150 (46)	1920x1200 at 60Hz
CAT6 Solid STP	100 (30.5)	2048x1536 at 60Hz
	150 (46)	1920x1200 at 60Hz
CAT7 600MHz Solid STP	200 (61)	2048x1536 at 60Hz
CAT7 600MHz Stranded STP	100 (30.5)	2048x1536 at 60Hz