

TRANSPARENT VGA USB EXTENDER

Extend four USB devices and a VGA monitor up to 61 meters

Available Options:

- **Dual Video**
- **Dual video + two-way audio + RS232**

Supports remote USB flash drives



ST-C5USBVT (Remote Unit, Front and Back)

Features & Applications

The Transparent VGA USB Extender extends four USB devices and a VGA monitor up to 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.

- 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 1.1 (low/full speed) standards.
- Supports Plug-n-Play specification.
- 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.

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.

Power

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

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.
- Supports resolutions to 2048x1536.
- Video quality adjustment for different lengths of CATx 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.

Regulatory Approvals

- CE, RoHS

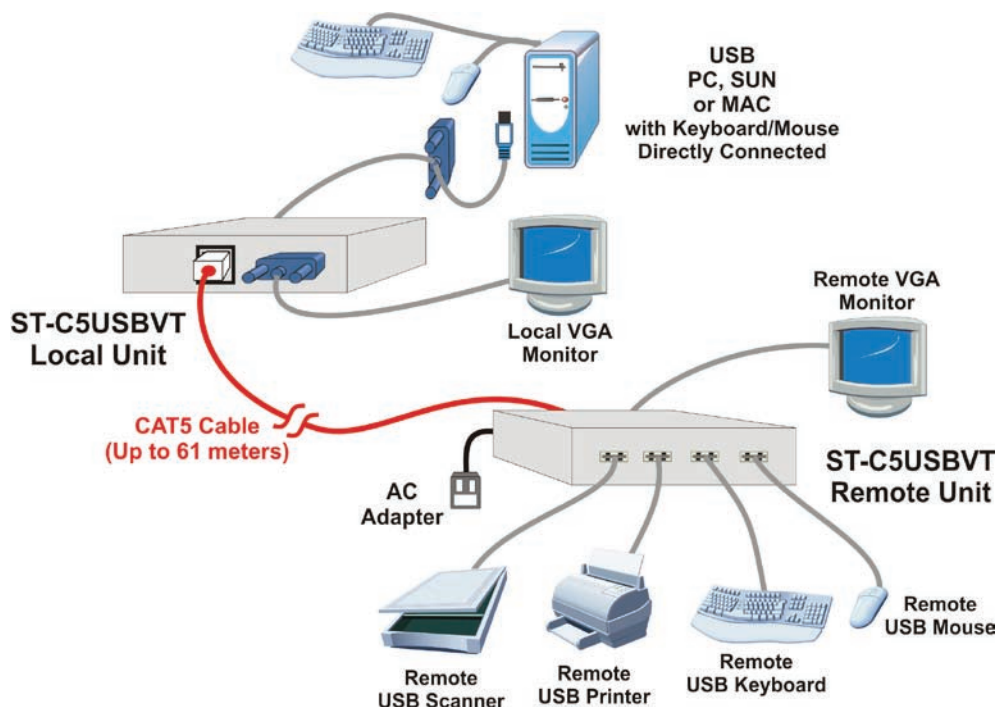
Warranty

- Two years

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Configuration and Cable Illustrations



Distances and Resolutions for CAT5e/CAT6 and CAT7 Cables

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

USB Extender with VGA Video Models

Supported Features	NTI Part #	Local and Remote Units Size WxDxH (in)
VGA + USB	ST-C5USBVT	129.5x78.7x30.5
Dual VGA + USB	ST-C5USB2VT	129.5x78.7x43.2
Dual VGA + USB + two-way audio + RS232	ST-C5USB2V2ARST	129.5x78.7x43.2

Cables

- ST-C5USBVT: one 1-meter VGA + USB cable included.
- ST-C5USB2VT: one 1-meter VGA + USB and one 1-meter VGA cables included.
- ST-C5USB2V2ARST: one 1-meter VGA + USB, one 1-meter VGA, two 3.5mm audio, and one RJ45 EIA-232 serial cables included.
- Use CAT5/5e/6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

MTBF

NTI Part #	MTBF (hrs)
ST-C5USBVT (local)	42,293
ST-C5USBVT (remote)	44,488
ST-C5USB2VT (local)	34,247
ST-C5USB2VT (remote)	41,907
ST-C5USB2V2ARST (local)	33,349
ST-C5USB2V2ARST (remote)	40,941



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