

VGA/DVI USB KVM Extender Over IP with Video Wall Support

XTENDEX®

Extend VGA/DVI monitors, audio, USB keyboard/mouse, IR and RS232 up to 492 feet using Gigabit Ethernet. Create video walls up to 8x16 – 128 screens.



- Supports HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA) at 60Hz.
 - Extend up to 492 feet (150 meters) in a Point-to-Point connection.
 - Extend up to 656 feet (200 meters) in a Point-to-Point or Point-to-Many connection via a Gigabit network switch.
 - ◆ The max distance between the switch and the local/remote unit is 328 feet (100 meters).
- Built-in video converter and switch - supports digital DVI and analog VGA.
 - Connect a VGA USB computer and DVI USB computer, and switch between sources using the front panel buttons.
 - Both the transmitter and receiver support VGA and DVI monitors at the same time.
- Supports USB 2.0/1.1 devices.
 - Keyboard and mouse are hot-pluggable.
 - Connect a mouse, keyboard, flashdrive, web camera or touchscreen display.
- Supports video wall installations up to 8x16 screens.
 - Displays can be rotated 180 and 270°.
- Bi-directional Infrared Remote (IR) control of HDMI source or display. IR transport channel can be forward or backward per the installation.
- Supports full-duplex RS232 up to 115200 baud.
- Manage transmitter/receiver connections and video wall configuration with built-in software or iOS/Android app.
- Applications using multiple transmitters and/or receivers require a managed Gigabit network switch with VLAN/IGMP and Jumbo frame support.
- When using multiple remote units, only one unit can have USB control over the source at any time.
- HDCP 1.4 compliant.
- Easily expandable – add receivers as you add control stations.



XTENDEX® ST-IPUSBVD-VW (Remote and Local Unit)

- **VGA & DVI**
- **WUXGA/1080p Video Resolutions**
- **Supports Point-to-Point, Point-to-Many, and Many-to-Many connections.**
- **4 USB connectors for keyboard, mouse, flashdrive, web camera, or touchscreen display.**
- **Supports video wall installations up to 8x16 screens.**

The XTENDEX® VGA/DVI USB KVM Extender Over IP provides remote KVM (USB keyboard, USB mouse, and VGA/DVI monitors) access to a USB computer up to 492 feet (150 meters) over a Gigabit network using a single CAT5e/6 cable. The extender consists of the ST-IPUSBVD-L-VW local unit that connects to a computer and also supplies video to local VGA and DVI monitors; and the ST-IPUSBVD-R-VW remote unit that connects to VGA and DVI monitors, microphone, speakers, and up to four USB devices (keyboard, mouse, flashdrive, web camera, or touchscreen display).

The local and remote units can be connected together for a Point-to-Point connection via CAT5e/6 cable or a Point-to-Many connection via a Gigabit network switch. Support for multiple transmitters (Many-to-Many connections) requires a managed Gigabit network switch.

Specifications

Local Unit

- **Host Connection**
 - Compatible with a USB computer (PC, SUN or MAC) with VGA or DVI output.
 - Multiplatform support: Windows XP/7/10, Solaris, Linux, and MAC OS 10.
 - One 15-pin HD connector.
 - One female DVI-I connector.
 - ◆ Signal type: single link digital DVI.
 - One female USB Type B connector.
 - One female DB9 connector for RS232 connection.
 - ◆ Support full-duplex RS232 up to 115200 baud.
 - Two female 3.5mm ports for connecting an IR emitter and receiver.
 - One female 3.5mm stereo port for audio in.
 - One female Gigabit RJ45 port for sending/receiving video, audio, USB, RS232, and IR signals.
 - Supports HDCP 1.4.
- **Local Access**
 - Supports a VGA and DVI monitor connected at the same time.
 - ◆ Both monitors simultaneously display the same image.
 - HDTV resolutions to 1080p and up to 1920x1200 (WUXGA) at 60Hz supported.
 - One female 15-pin HD connector for local VGA monitor.
 - One female DVI-D connector for local DVI monitor.
 - ◆ Signal type: single link digital DVI.
 - One female 3.5mm stereo port for audio out.

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Specifications (continued)

Remote Unit

- Supports a VGA and DVI monitor connected at the same time.
 - Both monitors simultaneously display the same image.
- HDTV resolutions to 1080p and up to 1920x1200 (WUXGA) at 60Hz supported.
- One female 15-pin HD connector for VGA monitor.
- One female DVI-I connector for DVI monitor.
 - Signal type: single link digital DVI.
- Four female USB Type A connectors.
 - Two USB 1.1 connectors on front of the unit for keyboard, mouse, flashdrive, web camera, or touchscreen display.
 - Two USB 2.0 on back of the unit for keyboard, mouse, flashdrive, or touchscreen display.
- One female 3.5mm port for stereo audio speakers.
- One female 3.5mm port for microphone.
- One male DB9 connector for RS232 connection.
 - Support full-duplex RS232 up to 115200 baud.
- Two female 3.5mm ports for connecting an IR emitter and receiver.
- One female Gigabit RJ45 port for sending/receiving video, audio, USB, RS232, and IR signals
- Supports HDCP 1.4.

Power

- Local and remote unit:
 - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
 - Output: 5VDC, 2A

Dimensions

- Local Unit WxDxH (in): 7.48x5.06x1.57 (190x129x40 mm).
- Remote Unit WxDxH (in): 6.57x4.07x1.57 (167x104x40 mm).

Environmental

- Operating temperature: 32 to 131°F (0 to 55°C).
- Storage temperature: -4 to 185°F (-20 to 85°C).
- Operating/storage relative humidity: up to 95% non-condensing RH.

Regulatory Approvals

- CE, RoHS

Warranty

- Two years

Max Distance

- 492 feet (150 meters) in a Point-to-Point connection.
- 656 feet (200 meters) in a Point-to-Point or Point-to-Many connection via a network switch.
- The max length between the switch and the local/remote unit is 328 feet (100 meters).

Cables

- Cables included with local unit:
 - One male to male USB Type A to USB Type B cable.
 - One IR emitter cable.
- Cables included with remote unit:
 - One IR emitter cable.
- Use CAT5e/6 straight through cable with TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).
- Use DVI-DS-2M-MM DVI-D Male-to-Male Single Link Cable to connect to a DVI source or display (not included).
- Use DVI-IS-xx-MM DVI-I Male-to-Male Single Link Cable to connect to a DVI source or display (not included).
- Use DVI-HD-xM-MM DVI-D Male to HDMI-A Male Single Link Cable to connect to an HDMI source or display (not included).
- Use VEXT-xx-MM VGA Male-to-Male Cable without Ferrites to connect to a VGA source or display (not included).
- Use VEXT-F-xx-MM VGA Male-to-Male Cable with Ferrites to connect to a VGA source or display (not included).

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NTI Part #	Local or Remote Unit
ST-IPUSBVD-L-VW	Local
ST-IPUSBVD-R-VW	Remote

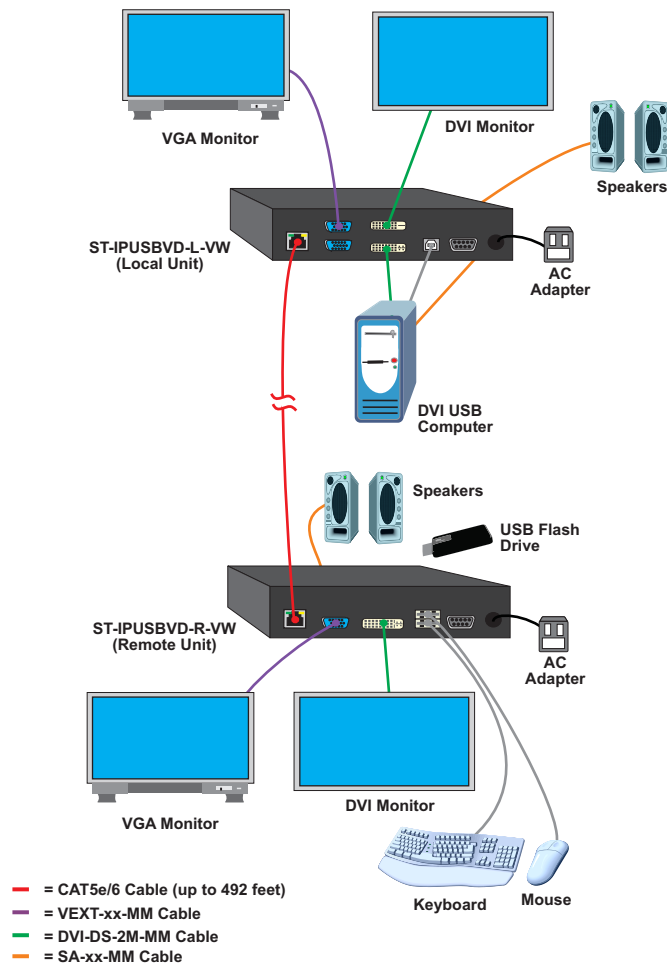
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Configuration and Cable Illustrations

Point-to-Point Connection



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