

VGA USB KVM Extender via One LC Singlemode/Multimode Fiber Optic Cable

XTENDEX®

Extend two VGA displays, USB keyboard/mouse, stereo audio speakers/microphone, and RS232 up to 12.4 miles (20 km)

- Signal transmission via single-strand LC fiber optic cable – no RF interference.
 - Using singlemode 9-micron cable, extend to 12.4 miles (20 kilometers).
 - Using multimode 50-micron or 62.5-micron cable, extend to 1,968 feet (600 meters).
- Supports one local and two remote VGA monitors.
- Supports computer resolutions to 1920x1080.
- Two USB ports for keyboard and mouse
 - Keyboard and mouse are hot-pluggable.
- Supports stereo audio speakers and microphone.
- Plug and play functionality – no software needed.
- Low RFI/EMI for sensitive applications.
- Supports full-duplex RS232 up to 57600 baud.
- Built-in default EDID table.
- Supports the DDC2B protocol.
- Cables can be installed in conduit prior to extender installation.
- Integrated mounting brackets for easy surface/wall mounting.



XTENDEX ST-FOUSBVARS-LC12V
(Local and Remote Unit)



- Supports 1 local and 2 remote VGA monitors
- Extend to 12.4 miles using singlemode cable
- Extend to 1,968 feet using multimode cable

The XTENDEX® VGA USB KVM Extender via Fiber Optic Cable provides remote KVM (USB keyboard, USB mouse and VGA monitors) access to a USB computer up to 12.4 miles (20 kilometers) away from a computer using a single LC singlemode fiber optic strand and 1,968 feet (600 meters) using multimode fiber optic cable. Each extender consists of a transmitter that connects to a computer and a local display via the VGA loop output; and a receiver that connects to two VGA monitors, USB keyboard, USB mouse, 3.5mm stereo audio speakers and microphone, and RS232.

Specifications

Local Unit

- Supports a PC, SUN, or MAC with VGA video.
- Multiplatform support: Windows 7/8/10/11, Windows Server 2008/2012/2016/2019/2022, Solaris, Linux, FreeBSD, and MAC OS 10/11.
- Supports resolutions to 1920x1080.
- One female 15-pin HD connector for computer connection.
- One female 15-pin HD connector for local VGA monitor.
- Once female USB Type B connector.
- Two 3.5 mm stereo audio jacks (audio in/out).
- 3-pin screw terminal for RS232.
- One simplex LC fiber optic port for sending/receiving video/audio, USB, and RS232 signals.

Remote Unit

- Two female 15-pin HD connectors for VGA displays.
- Two female USB Type A connectors for connecting USB keyboard and mouse.
 - No other types of USB devices are supported.
- Two 3.5 mm stereo audio jacks (audio in/out).
- 3-pin screw terminal for RS232.
 - Supports full-duplex RS232 up to 57600 baud.
- One simplex LC fiber optic port for sending/receiving video/audio, USB, and RS232 signals.
- Supports resolutions to 1920x1080.

Power

- Local and remote unit:
 - Input: 100 to 240 VAC at 50 or 60Hz via AC adapter.
 - Output: 12VDC, 1A
 - Power consumption: 9.12W max.

Environmental

- Operating temperature: -4 to 147°F (-20 to 70°C).
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Dimensions

- WxDxH (in): 6.59x5.02x1.12(167x128x28 mm)

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years

Max Distance

- 12.4 miles (20 km) over 9µm singlemode LC fiber optic cable.
- 1,968 feet (600 meters) over 50µm or 62.5µm multimode LC fiber optic cable.

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Specifications (continued)

Cables

- Interface cables between the source/display and the transmitter/receiver are required for proper operation.
- Use VEXT-xx-MM VGA Male-to-Male Cable without Ferrites to connect to a VGA source or display up to 25 feet.
- Use VEXT-F-xx-MM VGA Male-to-Male Cable with Ferrites to connect to a VGA source or display.
- Use SA-xx-MM male to male 3.5mm stereo audio cables to connect speakers.
- Use USB2-AB-x-5T male USB Type A to male USB Type B cable to connect source.
- Use a simplex LC singlemode 9-micron fiber optic cable to extend the receiver from the transmitter up to 12.4 miles (20 km).
- Use a simplex multimode LC 50-micron or 62.5-micron fiber optic cable to extend the receiver from the transmitter up to 1,968 feet (600 meters).
- Cables not included.

Configuration and Cable Illustrations

