

# Transparent USB Extender w/ Video, Audio, RS232 via Fiber

## XTENDEX®

**Extend four USB devices, RS232, Audio and DVI video up to 6,500 feet (2,000 meters)**

- Supports fully transparent USB connections - supports all USB computers (PC, SUN and MAC) and their associated peripherals.
- Signal transmission via four-strand singlemode or multimode LC fiber optic cable. Using singlemode cable, extend to 6,500 feet (2,000 meters).
- Using multimode cable, extend to 1,650 feet (500 meters).
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA).
- Two modes of USB operation. Local mode - computer sees USB devices connected to the transmitter.
- Remote mode - computer sees USB devices connected to the receiver.
- Cables can be installed in conduit prior to extender installation.
- Extend USB devices such as keyboards, mice, printers, game controllers, flash drives, touch screen monitors, whiteboards, etc.
- Compliant with USB 2.0 (low/full/high speed) standards.
- Low RFI/EMI for sensitive applications.
- Optical link is not susceptible to eavesdropping or electromagnetic interference
- Includes rack mounting kit.



**ST-FOUSB2DARS-LC (Remote and Local Unit)**

The XTENDEX® Transparent USB Extender with DVI Video, Audio and RS232 via Fiber extends four USB devices, RS232, speakers and a single link digital DVI display up to 6,500 feet (2,000 meters) via two duplex singlemode LC fiber optic cables.

Each DVI USB KVM Extender consists of a local unit that connects to a computer and provides local keyboard, monitor and mouse connections, and a remote unit that connects to four USB devices, a DVI display, and analog stereo audio speakers.

## Specifications

### Local Unit

- Host Connection
  - ◆ Supports USB computers (PC, SUN and MAC) with single link digital DVI video.
  - ◆ Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
  - ◆ One female DVI-I, one female USB Type B, one 3.5mm stereo audio jack, and one female DB9 connectors.
- Local Access
  - ◆ Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA).
  - ◆ One female DVI-I and two female USB Type A connectors.

### Remote Unit

- One female DVI-I, four female USB Type A, one 3.5mm stereo audio jack, and one male DB9 connectors.
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA).
- Video signal: single link digital DVI.
- Provides support for hi-speed (480 Mbps), full-speed (12 Mbps) or low-speed (1.5 Mbps) USB devices.
  - Compatible with USB touch screen monitors, including HP Compaq L2105tm.
- Audio signal: analog stereo audio.
  - Audio sampling rate: 48KHz
  - Input impedance: >25Kohm
  - Output impedance: 100ohm
  - Frequency response: 40Hz to 15KHz ± 1dB
  - Signal-to-Noise Ratio (SNR): >79 dBA
  - Total Harmonic Distortion + Noise (THD+N): <0.05%
  - Stereo crosstalk: -67dB @ 1KHz
- Supports RS232 up to 250Kbps
- Compliant with DDWG DVI standard.
- Supports the DDC2B protocol.

### Cables

- Use a FIBER-2D-LCLC-50-xxM (2 duplex multimode LC 50-micron) multimode fiber optic cable to extend the receiver from the transmitter up to 1,650 feet (503 meters).
- Use two duplex singlemode LC 9-micron fiber optic cable to extend the receiver from the transmitter up to 6,500 feet (1,981 meters).
- Use SA-xx-MM male to male 3.5mm stereo audio cables to connect speakers.
- Includes 6 ft (1.8 m) male to male DVI-I cable to connect a DVI source or display.
- Includes 6 ft (1.8 m) male USB Type A to male USB Type B cable to connect source.
- Includes 6 ft (1.8 m) male to male RS232 cable to connect a controller.

### Power

- Local and remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter (US AC adapter included).
- Power consumption: 10W (each - transmitter and receiver).

### Environmental

- Operating temperature: 32°F to 122°F (0°C to 50°C)
- Storage temperature: -14°F to 185°F (-10°C to 85°C)
- Operating and Storage Relative Humidity: 5 to 85% non-condensing RH.
- Dimensions WxDxH: 12.6x5.1x1.75 in. (320x130x45 mm)

### Regulatory Approvals

- CE, FCC, RoHS.

### Warranty

- Two years

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### Configuration and Cable Illustrations

