

Transparent USB 2.0 Extender w/ Video, Audio, RS232 via Fiber

XTENDEX®

Extend four USB 2.0 devices, RS232, Audio and DVI video up to 6,500 feet

- Supports fully transparent USB 2.0 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 (1,981 meters).
 - Using 50-micron multimode cable, extend to 1,650 feet (503 meters).
 - Using 62.5-micron (OM1) multimode cable, extend to 984 feet (300 meters).
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA).
- Two modes of USB operation – select mode using the switch on the transmitter's front panel.
 - 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-F0USB2DARS-LC (Remote and Local Unit)

The XTENDEX® Transparent USB 2.0 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 2.0 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 2.0 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.

Max Distance

- 6,500 feet (1,981 meters) over 9µm singlemode LC fiber optic cable.
- 1,650 feet (503 meters) over 50µm multimode LC fiber optic cable.
- 984 feet (300 meters) over 62.5µm OM1 multimode LC fiber optic cable.

Power

- Local and remote unit: 100 to 240 VAC at 50 or 60 Hz via AC adapter (US AC adapter included).
- Power consumption: 40W (each - transmitter and receiver).

MTBF

- Transmitter: 3,888,929 hrs
- Receiver: 4,964,280 hrs

Remote Unit

- One female DVI-I, four female USB 2.0 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 2.0 devices.
 - Compatible with USB 2.0 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.

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Specifications (continued)

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)

Compatible NTI Products

- Combine NTI's extenders, switches, splitters and cables for complex applications.
 - DVI-D to HDMI-A Male-to-Male Cable (DVI-HD-xM-MM)
 - ◆ Does not pass audio.

Regulatory Approvals

- CE, FCC, RoHS.
- TAA compliant

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 two duplex multimode LC 62.5-micron OM1 fiber optic cables to extend the receiver from the transmitter up to 984 feet (300 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.

Warranty

- Two years

Configuration and Cable Illustrations

