USB 2.0 Fiber Extender

USB 2.0 Extender up to 1,500 feet over Fiber Optic Cable

The FX-USB is a perfect solution for extending USB 2.0 signals from a computer in a remote location. It extends USB 2.0 to a remote location up to 1,500 feet away. It supports all USB device types from high-speed web cams, hard drives, printers, scanners, audio devices, touch screens, digital cameras and game controllers. The FX-USB is immune to electromagnetic interference, making it ideal for use in situations where there is considerable interference. The FX-USB is also very secure because it's fiber optic signals cannot be easily tapped.

FEATURES

- Top Signal Quality at Maximum Extension Over Multimode Fiber (1,500 ft.)
- Fiber Plug Type LC
- Extends USB 2.0 signals up to 1,500 feet from the computer
- Fully compliant with USB 1.1 and 2.0 specifications
- Supports USB 1.1 (12 Mbps) and USB 2.0 (480 Mbps) data rates
- Supports all USB device types from high-speed web cams, hard drives, printers, scanners, audio devices, touch screens, digital cameras and game controllers
- Integrated Four-Port Hub in the receiver
- Compatible with all operating systems
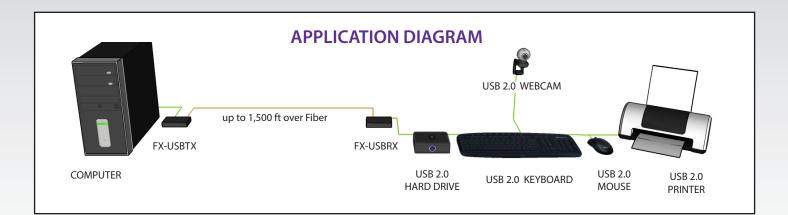- Fully transparent USB (does not use any emulation)
- Plug and play

APPLICATIONS

- Medical Applications
- Industrial Work Areas
- Home Theater Integration
- Digital Signage Deployment
- Information Kiosks/Displays
- Film/Recording Studios

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APPLICATION DIAGRAM

USB 2.0 WEBCAM

up to 1,500 ft over Fiber

FX-USBTX   FX-USBRX

COMPUTER

USB 2.0 HARD DRIVE   USB 2.0 KEYBOARD   USB 2.0 MOUSE   USB 2.0 PRINTER

FX-USBTX Front

FX-USBRX Front

USB	
Signal Type	EHCI (USB 2.0) and OHCI/UHCI (USB 1.1)
Input Interface (TX)	(1) USB Type B (Female)
Output Interface (RX)	(4) USB Type A (Female)
OPTICAL	
Fiber Type	Single, multi mode
Connector Type	Duplex LC
Wavelength	1310 nm/1550 nm (Dual wavelength)
Data Rate	5 Gbps (2.5 Gbps per single wavelength)
Transmission Power	-5 dB Min.
Receiver Sensitivity	-21 dB Max
Distance	500 m Max.
OTHER	
Power	External 100-240 VAC/5VDC4A @20W
Dimensions	7 in W x 1 in H x 4.5 in D
Weight	2.0 lbs. (0.9 kg)
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

ORDERING INFORMATION

Part No.	Description
FX-USBS	USB 2.0 Fiber Extender. Includes: [FX-TXUSB, FX-RX-USB, 2 x (PS5VD4A) and CCUSBAB06]

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations.
Clients of SmartAVI include:

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