What's in the Box?

PART NO.	QTY	DESCRIPTION
FX-TXUSB	1	USB 2.0 Fiber Extender Transmitter
FX-RXUSB	1	USB 2.0 Fiber Extender Receiver
PS5VDC4A	2	5 Volt 4 Amp Power Supply
CCUSBAB06	1	6ft USB MM AB cable

Technical Specifications

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%

NOTICE

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Rack Mountable Option

Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

Smart-AVI
SMART AUDIO VIDEO INNOVATION

Installation Manual

FX-USB

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

www.smartavi.com

Introduction

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.
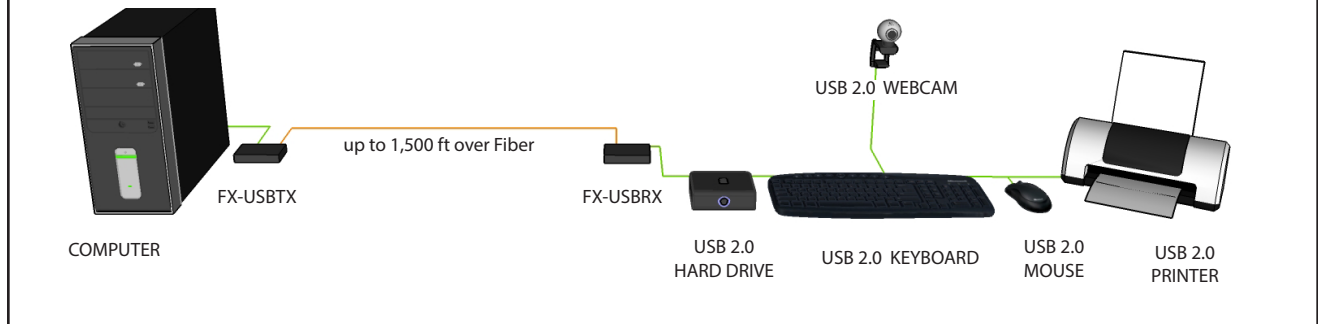
Features

- 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

- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording Studio
- PC KVM Extension

Product - Installation 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

Connecting the FX-USB

1. Power off all devices.
2. Connect the USB source (computer) to the USB port on the front of the FX-TXUSB (transmitter).
3. Connect the FX-TXUSB (transmitter) to the FX-RXUSB (receiver) using a fiber optic cable up to 1,500 feet in length.
4. Connect up to four USB 1.1 or 2.0 devices to the integrated 4-port USB hub on the front of the FX-RXUSB (receiver).
5. Connect the power supply to the FX-RXUSB and the FX-RXUSB.
6. Power on the computer and USB devices.

LED Indicators

Power (Blue)
Steady = Power is connected

Link (Green)
Steady = RX & TX are connected through fiber

Host (Green)
Steady = PC is connected
Blinking = Suspended state/Not connected

Activity (Amber)
Blinking = Communication between RX & TX
Off = Suspended state/No activity

FX-USBTX Front

FX-USBRX Front