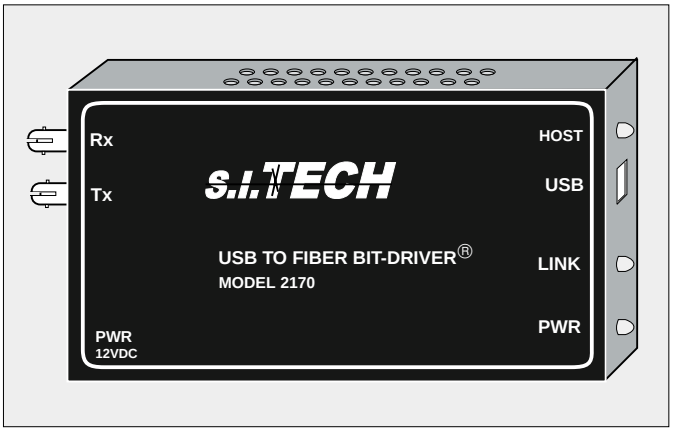
Model 2170

S.I.TECH

USB to Fiber Optic Media Converter



Features:

- Supports USB 1.1 over fiber (for USB 2.0 use S.I. Tech #2172)
- Small size
- Power, Link Status, and Host LED indicators
- ST optical connections (SC option for Single Mode)

S.I.Tech 2170/2171 USB media converter pair extends the range of USB 1.1 beyond the USB 5 meter limit. The USB media converters are compliant with the USB 1.1 specification supporting low speed (1.5 Mbps) and high speed (12 Mbps) USB data transfer.

The 2170/2171 are not detected as new hardware but provide a 4-port USB HUB at distances up to 2 Km over fiber optic cable. The 2170 connects to host PC through USB type B connector. The 2171 connects to USB peripherals through USB type A connector.

Operation Mode: USB 1.1
Input/Output Interface: USB 1.1 Type B
Transmission Line Interface: ST optical connector is standard
Transmission Distance: See distance chart
Transmitter Output Power: 25 μw into 62.5/125 micron fiber
System Wavelength: 850nm (1300nm option)
Data Rate: 1.1 to 12 Mbps
Bit Error Rate: 10^{-9}
Receiver Sensitivity: 2 μw
Operating Temperature: -20 °C to 50 °C
Weight: 1.0 lb (454 grams)
Input Power: External with power supply (S.I.Tech #2164 - 100 to 240 VAC, 50/60 Hz, to 12VDC, UL, CSA, CE, & TUVGS Listed)
Metal Enclosure: 5.75" X 3.8" X 1.63" (14.6 X 9.6 X 4.2 cm)

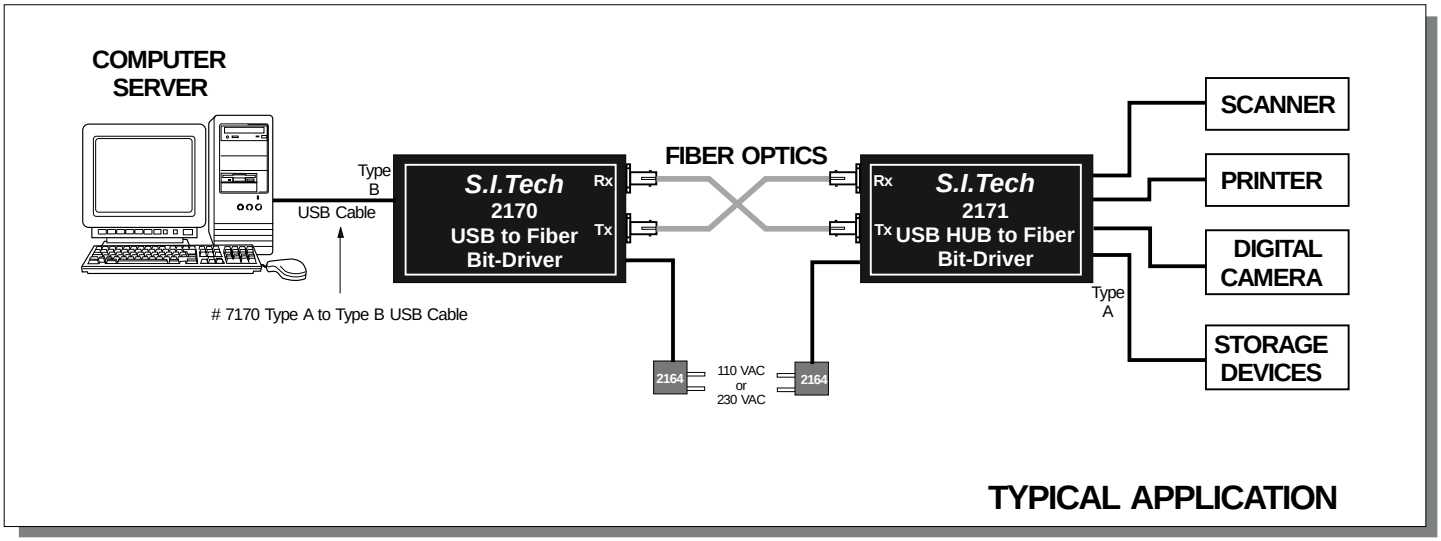
OPERATING DISTANCE FOR FIBER OPTIC CABLE

Fiber Size (Microns)	Attenuation dB/Km	Distance Meters	Distance Feet
50	3.0	2000	6600
62.5	4.0	2000	6600
10**	1.0	5000	16000

**Single mode option - 1300nm (observe network timing restrictions)

Optical Unit Connection: Connect the optical transmission line to the T and R receptacles. Note which cable channel goes to T or R by noting cable imprint. On the other end, reverse the connections.

Meets FCC requirements of Class A, Part 15 Computing Devices Standard, USB Standard.
Specifications subject to change without notice.



TYPICAL APPLICATION

For application engineering assistance: 630-761-3640 FAX: 630-761-3644 S.I.Tech, P.O.Box 609, Geneva, Illinois 60134 U.S.A. Web site: http://www.sitech-bitdriver.com.