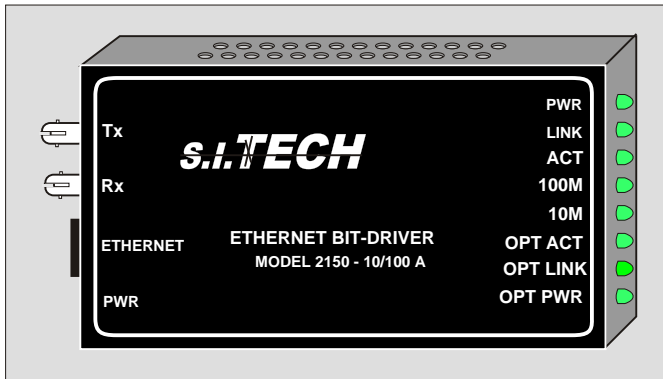


Ethernet RJ45 to Fiber Optic Media Converter



Features:

- Supports 10 Base-T/100 Base-TX and 10 Base-FL/100 Base-FX Standard
- Small size
- Power, Link Status, Activity, and Rate LED indicators
- ST or SC optical connections (ST, SC, or FC options for Single Mode)
- Auto senses between 10 and 100 Mbps speeds
- Plug & Play - No Setup Required

S.I.Tech 2150 Ethernet media converter is a compact adapter for connection of Ethernet based equipment over fiber optic cable at 10 Base-T/100 Base-TX and 10 Base-FL/100 Base-FX. It uses ST or SC for Multimode fiber and ST, SC, or FC for Single mode fiber. Model 2150 auto senses and switches between 10 and 100 Mbps. The unit contains LED indicators to provide visible verification of transmission status and media converter functions.

Note:

The 2150-10/100A pair auto negotiates between 10 Base-T and 100 Base-Tx ports and chooses the best mode of operation (half/full duplex, 10/100 Mbps). If one of the connecting ports also supports operation at 1000 Base-T - Gigabit (e.g., 10/100/1000Mbps NIC), the 2150-10/100A pair will auto negotiate to the best mode of operation not exceeding 100 Mbps - however, one of the connecting ports must be limited to 10 or 100 Mbps operation.

- Operation Mode:** 10 Base-T/100 Base-TX and 10 Base-FL/100 Base-FX, Auto 10/100 Sensing
- Input/Output Interface:** Shielded RJ45
- Transmission Line Interface:** ST optical connector is standard (SC Option), (ST, SC, or FC for SM)
- Transmission Distance:** See distance chart
- Transmitter Output Power:** 12 Microwatts into 62.5/125 micron fiber (-19dBm)
- System Wavelength:** 1300 nm Multimode (Single mode Option)
- Data Rate:** 10/100 Mbps
- Bit Error Rate:** 10^{-9}
- Receiver Sensitivity:** 1 Microwatts @ 1300 nanometers (-30dBm)
- Operating Temperature:** 0 °C to 50 °C
- Weight:** 0.8 lb (365 grams)
- Input Power:** DC Power: 10 to 32VDC, 4 Watts or 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 1.0" (14.6 X 9.6 X 2.54 cm)

Operating Distance for Fiber Optic Cable

Fiber Size (Microns)	Attenuation (dB/Km)			Distance (Meters)			Distance (Feet)		
	Wavelength (nm)			Wavelength (nm)			Wavelength (nm)		
	850	1300	1550	850	1300	1550	850	1300	1550
50	3.0	1.0	-	2000	6000	-	6600	20000	-
62.5	3.5	1.0	-	2000	6000	-	6600	20000	-
10**	1.0	0.35	0.25	-	10000	12000	-	33000	40000

** Single mode option - 1300nm (for longer distances, high power, contact factory)

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.
Specifications subject to change without notice.

