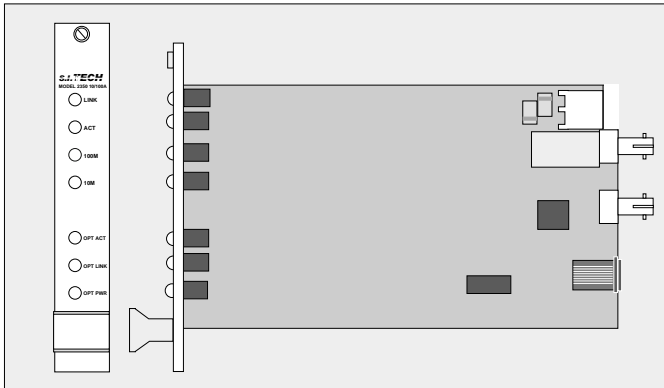


# Model 2350 - 10/100 A



## Ethernet RJ45 to Fiber Optic Media Converter



**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:** 6600 ft. (2 Km)  
**Transmitter Output Power:** 30 Microwatts into 62.5/125 micron fiber

**System Wavelength:** 1300 nm Multimode (Single mode Option)

**Data Rate:** 10/100 Mbps

**Bit Error Rate:**  $10^{-9}$

**Receiver Sensitivity:** 10 Microwatts @ 1300 nanometers  
**Operating Temperature:** 0 °C to 50 °C

**Weight:** 0.5 lb (225 grams)

**Input Power:** 110VAC/230VAC (Rack)

**Card Size:** Eurocard 3.9" X 6.8" (9.9 X 17.3 cm)

### Features:

- Supports 10 Base-T/100 Base-TX and 10 Base-FL/100 Base-FX Standard
- Eurocard, 3001 rack holds 12 cards
- Power, Link Status, Activity, and Collision 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 2350-10/100A Ethernet media converter is a card version of 2150-10/100A 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 2350-10/100A 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 2350-10/100A and 2150-10/100A 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., 10/100/1000 Mbps 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.

Operating Distance for Fiber Optic Cable

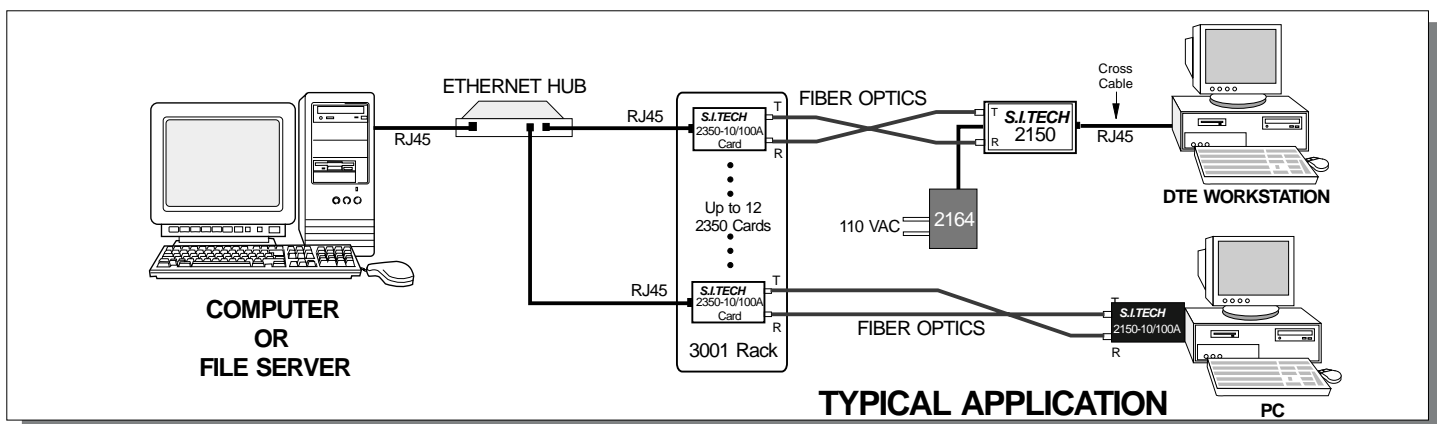
Fiber Size (Microns)	Attenuation (dB/Km)			Distance (Meters)		Distance (Feet)			
	Wavelength (nm)			Wavelength (nm)		Wavelength (nm)			
	850	1300	1550	850	1300	1550	850	1300	1550
50	3.0	1.0	-	2000	6000	-	6600	20000	-
62.5	4.0	1.0	-	2000	6000	-	6600	20000	-
10**	1.0	0.35	0.25	-	10000	12000	-	33000	40000

\*\* 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.

UL & CSA listed. Meets FCC requirements of Class A, Part 15 Computing Devices Standard.

Specifications subject to change without notice.



TYPICAL APPLICATION