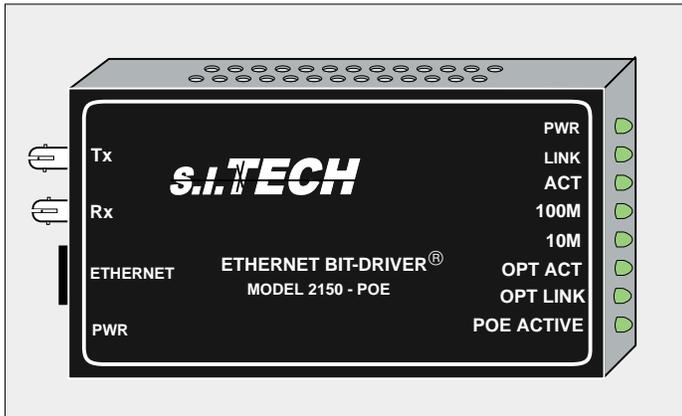


Model 2150 - POE



Ethernet RJ45 to Fiber Optic Media Converter



Features:

- Supports 10 Base-T/100 Base-TX and 10 Base-FL/100 Base-FX Standard with Auto-Negotiation
- Supports 10 Base-T/100 Base-TX with 802.3 AF Power over Ethernet Power Sourcing Equipment
 - POE Power Device Detection
 - POE PD Classification
 - POE End Span
- Small size
- Power, Link Status, Activity, and Collision LED indicators
- ST or SC optical connections (ST, SC, or FC options for Single Mode)
- Auto negotiation between 10 and 100 Mbps speeds
- Plug & Play - No Setup Required

Operation Mode: 10 Base-T/100 Base-TX and 10 Base-FL/100 Base-FX, Auto 10/100 Sensing, Power over Ethernet

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: 1.0 lb (450 grams)

Input Power: External with power supply #2164-48 - 100 to 240 VAC, 50/60 Hz, to 48VDC, UL, CSA, CE, & TUVGS Listed)

Metal Enclosure: 5.75" X 3.8" X 1.0" (14.6 X 9.6 X 2.54 cm)

S.I. Tech 2150POE media converter works in conjunction with 2150-10/100A media converter for connecting between Ethernet equipment and Ethernet powered devices over fiber. The unit contains LED indicators to provide visible verification of transmission status and media converter functions.

OPERATING DISTANCE FOR FIBER OPTIC CABLE

Fiber Size (Microns)	Attenuation dB/Km (1300nm)	Distance Meters*	Distance Feet*
50	1.00	2000	6600
62.5	1.00	2000	6600
10**	0.35	5000	16000

* While S.I.Tech 2150 can work up to 2 Km, Ethernet spec is limited to 330 ft (100 meters) for 100 Mbps.

**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, IEEE 802.3 Ethernet Standard. Specifications subject to change without notice.

