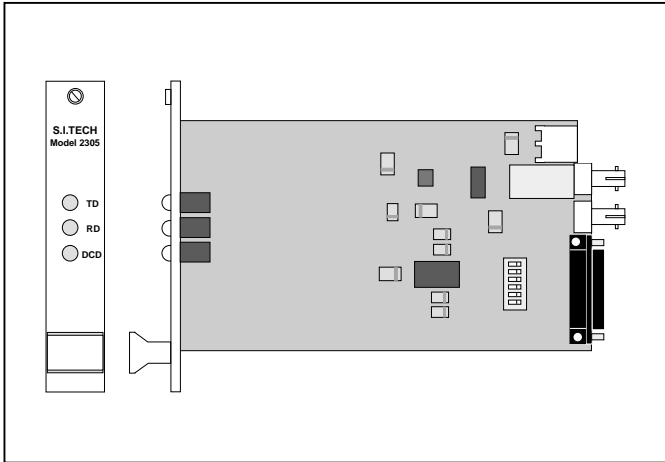


Optical Asynchronous Bit-Driver[®] Point to Point



Features:

- 110 bps to 56 Kbps asynchronous, simplex, or full duplex operation
- 6600 ft. (2Km) distance capability
- 0 °C to + 50 °C operating range
- ST connector receptacle (SMA option)
- Designed to work with S.I.Tech 2005 RS232 Bit-Driver
- Requires 3000 rack, 3500 mother board, and 4000 power supply

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
100	5.0	2000	6600
10 SM	1.0 **	7000	23000

* High power option available
 ** Single Mode 1300 nm option

Operation Mode: Asynchronous, simplex, or full duplex

Input/Output Interface: RS-232, DB25 Female, Async at 110 bps to 56 Kbps

Transmission Line Interface: ST connector is standard for interfacing with fiber optic cable (SMA option)

Transmission Distance: 6600 ft. (2 km)

Optical Power into a 50 Micron

Core Optical Fiber: 5 microwatts, 10 dB power budget* @ 880 nanometers *(High power option) **

Receiver Sensitivity: 250 nanowatts at less than 10⁻⁹ bit error rate

Operating Temperature: 0 °C to 50 °C

Enclosure: 19" rack holds 16 cards

Card Size: Eurocard 3.9" x 6.8" (9.9 x 7.3 cm)

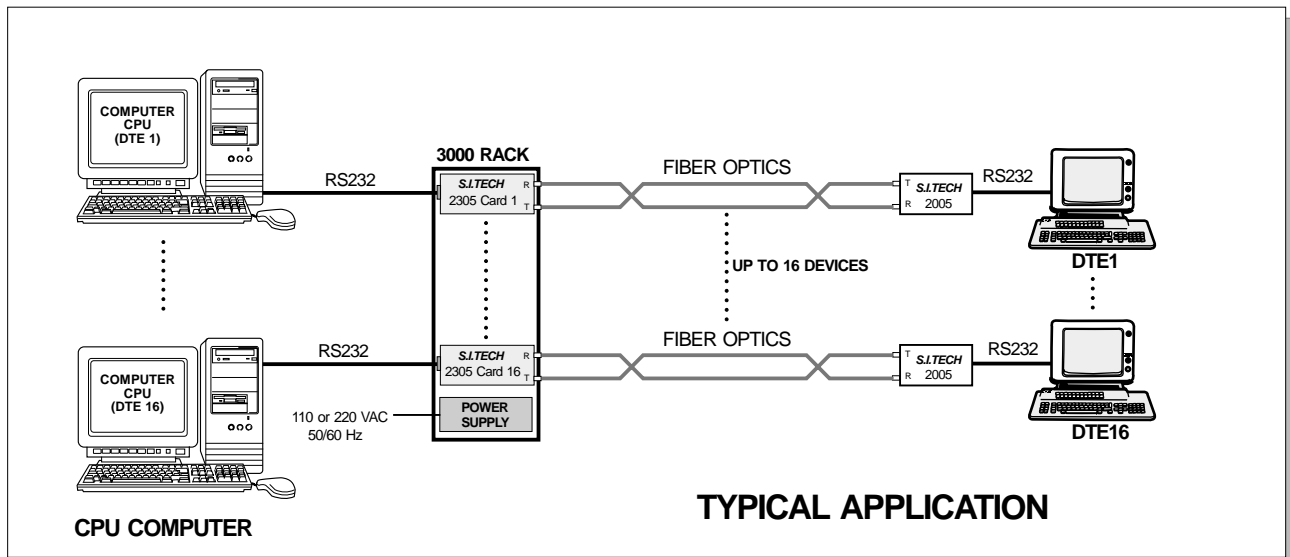
Weight: 0.5 lb (200 grams)

RS - 232 PINS UTILIZED BY 2305 CARD DB25 CONNECTOR (FEMALE)

Pin No.	Description	EIA
1	Protective Ground	AA
2	Transmitted Data	BA To Bit-Driver
3	Received Data	BB From Bit-Driver
4*	Request to Send	CA To Bit-Driver
5	Clear to Send	CB From Bit-Driver
7	Signal Ground	AB
8	Data Carrier Detect	CF From Bit-Driver

* Optional signal not required for normal operation.

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



TYPICAL APPLICATION