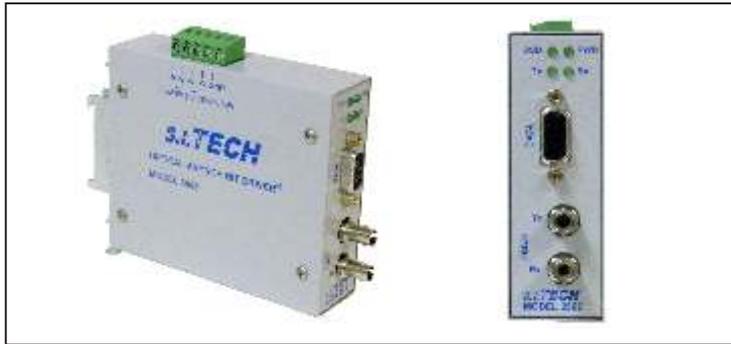


Optical Asynchronous Ruggedized Multiplexer Bit-Driver



Features:

- Up to 115 Kbps/CH asynchronous operation on fiber optic cable, simplex or full duplex operation with 2 channels
- 2 channels RS-232 (See options below)
- -40 °C to + 80 °C operating range (-20 to + 60 °C SM)
- Metal ST connector receptacle (SMA option)
- LED indicators for power, transmit and receive data
- Female DB-9 connector
- See distance chart
- DIN Rail Mounting

2565 DB-9 Pinout: Female Connector

Pin 1 DCD - (Fiber Start)	Pin 6 DSR - (DSR)
Pin 2 RD - (Out)	Pin 7 RTS - (In to CTS)
Pin 3 TD - (In to RD)	Pin 8 CTS - (Out)
Pin 4 DTR - (Not Used)	Pin 9 N/C
Pin 5 Ground	

Note: RTS/CTS can be used as 2nd channel.

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 SM	0.35	10000	33000

* High power option available. SM - Single Mode (1300nm & 1550nm) options.

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 connection.

- Operation Mode:** Asynchronous, simplex or full duplex
- Input/Output Interface:** DB9-S
- Transmission Line Interface:** Metal ST connector is standard for interfacing with fiber optic duplex cable (SMA option, FC option for SM)
- Transmission Distance:** See distance chart
- Optical Power into a 62.5 Micron Core Optical Fiber:** 20 microwatts, 10 dB power budget @ 820 nanometers (1300 nm Option)
- Receiver Sensitivity:** 2 microwatts at better than 10⁻⁹ bit error rate
- Operating Temperature:** -40 °C to 80 °C for multimode
-20 °C to 60 °C for single mode
- Metal Enclosure:** 4.15" X 3.65" X 1.21"
(10.54 X 9.27 X 3 cm)
DIN Rail Mounting
- Weight:** 0.75 lb (340 Grams)
- Input Power:** 10 to 32VDC, 3W

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



Interface Options: Multiplexer

- RS-232: 1 or 2 Channels (115 Kbps)
- RS-422: 1 or 2 Channels (115 Kbps)
- RS-485: 1 or 2 Channels (115 Kbps)

Related Products

- 2560/2561/2562
- 2360 cards and 3000 rack

