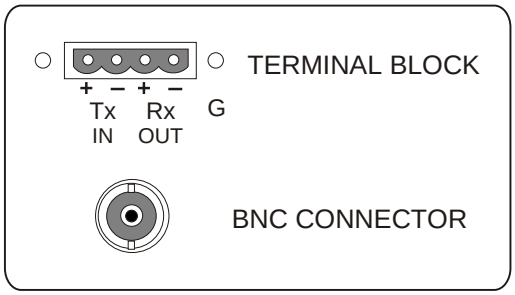
Model 2867

S.I.TECH

RS-422 and TTL to Fiber Optic Bit-Driverâ

The S.I.Tech Model 2867 is designed for high speed RS-422 and TTL data communication using fiber. This system uses Terminal block and BNC connectors for interfacing to high speed network. The model 2867 provides 3 independent channels for data, clock, etc.



Operation Mode: Asynchronous, simplex or full duplex, 20 Mbps
Input/Output Interface: RS-422/TTL, 3 channel system, 3 terminal blocks & 6 BNC connectors
Transmission Line Interface: 6 ST connector fiber optic receptacles (FC Option-SM)
Transmission Distance: See table
Transmitter Output Power: 30 microwatts into 50 micron fiber
System Wavelength: 820 nanometers (1300 nm option)
Minimum Sensitivity: 3 microwatts @ 820 nanometers at less than 10^{-9} bit error rate
Operating Temperature: 0 ^{o}C to 50 ^{o}C
Input Power: 85-260VAC, 50/60Hz, 10W
Metal Enclosure: 1U 19" rack
17"W X 1.75"H X 7.5"D
(43.2 X 4.3 X 19.0 CM)
Weight: 5 lbs. (2.3 kg)

Operating Distance for Fiber Optic Cable

Fiber Size (Microns)	Attenuation dB/Km (1300nm)	Distance Meters	Distance Feet
62.5	1.0	5000	16000
50	1.0	5000	16000
10SM*	0.35	20000	65000

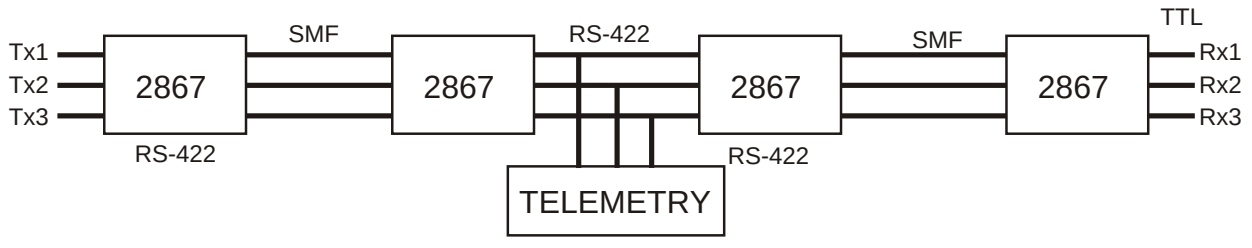
* Single mode (1300nm)

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.

Note:
2867-3R-SM: 3 CH, Single Mode
2867 has built in switches for switching channel between TTL and RS-422 inputs.

Meets FCC Requirements of Class A, Part 15 Computing Device Standard. UL listed. RoHS compliance.
Specifications subject to change without notice.

TYPICAL APPLICATION



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