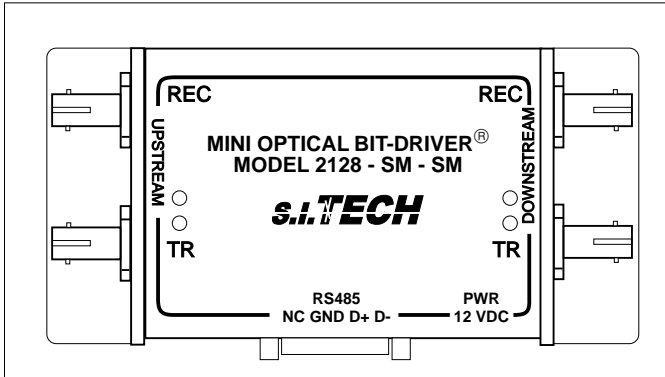


Model 2128



Optical Mini Multidrop Bit-Driver [®]



Features:

- RS-485 Multidrop
- Various speed options up to 200 Kbps (Factory Set)
- Flange Mounting
- Multimode or single mode

Fiber ports repeat data through the 2128 and drop/insert data on the RS-485 port. The RS-485 port inserts data onto both fiber ports and gets data dropped from either fiber port.

Operation Mode: Synchronous half duplex
Input/Output Interface: RS-485, 2 wire port operating up to 200 Kbps
Transmission Line Interface: ST connectors are standard for interfacing with fiber optic duplex cable (SMA option)

Optical Power into a 62.5 Micron Core Optical Fiber: 10 microwatts, 13 dB power budget @ 850 nanometers (1300 nm option)
Receiver Sensitivity: 500 nanowatts at less than 10^{-9} bit error rate. 10 microwatts max.

Operating Temperature: 0 °C to 50 °C (-40 to +70 °C option-MM Fiber)

Metal Enclosure: 5.5 x 2.3 x 1.0 in (with flange) (13.97 x 5.84 x 2.54 cm)
 Panel or DIN rail mounting option

Weight: 0.4 lbs (182 grams)
Input Power: External with power supply (S.I. Tech #2121 - 110 VAC to 12 VDC)

230 Volt Version: Use S.I.Tech 2122 power supply

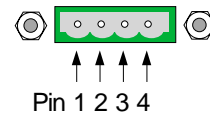
*Meets FCC requirements of Class A, Part 15 Computing Devices Standard.
 Specifications subject to change without notice.*



RS - 485 CONNECTOR

Pin No.	Description
1	NC
2	Ground
3	Data +
4	Data -

RS - 485 CONNECTOR



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	1.0	10000	33000

* High power option available
 SM - Single Mode (1300nm) option (Temp -20 to +60 °C)

ORDERING INFORMATION

Model Number	Description
2128	Multimode to Multimode, ST Connectors
2128-MM-SM	Multimode to Single Mode, ST Connectors
2128-SM-SM	Single Mode to Single Mode, ST Connectors

