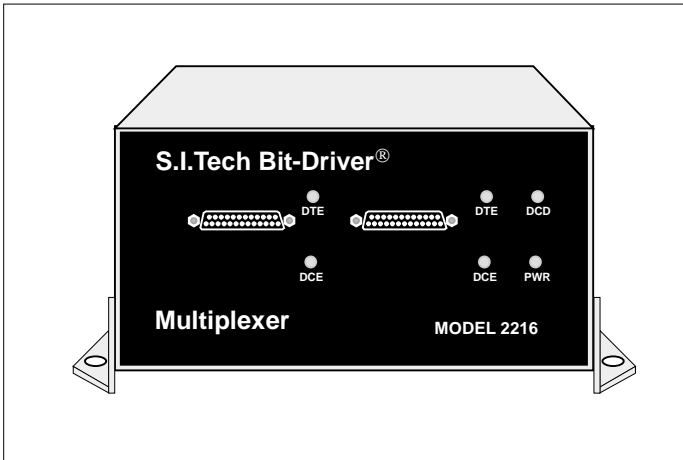


Asynchronous Time Division Multiplexer



S.I. Tech Model 2216 Bit-Driver[®] multiplexer is ideal for in-house data transmission where you have clustered terminal situations. It delivers 16 full duplex ports (2-8 bit words) capable of moving up to 19.2 Kbps in asynchronous mode, without using flow control or buffering techniques, resulting in absolute minimum throughput delay. Aggregate speed is 320 Kbps. Each port on the multiplexer is fully independent.

Model 2216 is a sixteen channel (2-8 bit words) communications system, providing 16 Bit-Driver[®] links using one optical cable interface. Fiber optic cable offers complete immunity to EMI/RFI interference problems for secure data transmission in noisy environments. Status indicators show the activity of the link. Maximum operating distance is 6600 feet (2 Km),

- Operation Mode:** Asynchronous, simplex or full duplex.
- Input/Output Interface:** RS-232-C, type D asynchronous at 0 to 19.2 Kbps
25 pin female (DB25)
- Phase distortion:** Less than 10%
- RTS/CTS Delay Time:** 0
- Number of Channels:** 16 (2 RS232 connectors)
- Optical Power into a 50 Micron core Fiber:** 10 microwatts, nominal
- Transmission Wavelength:** 820 nanometers (1300 nm option)
- Receiver Sensitivity:** 1 microwatts at less than 10^{-9} bit error rate
- Optical Connector:** SMA connector receptacle (ST option)
- Operating Temperature:** 0 ° C to 50 ° C
- Input Power:** 110/230 VAC, 50/60 Hz, power transformer, primary and secondary fused. Power supply meets VDE, UL, CSA
- Weight:** 6 lbs. (3 Kg)
- 230 Volt Version:** Model 2216V

RS-232 CONNECTOR PINS UTILIZED

Pin No.	Function
1	Chassis Ground
2	Transmit Data
3	Receive Data
4	Transmit Data.
5	Receive Data
6	Receive Data
7	Signal Ground
8	Receive Data
9	Receive Data
13	Receive Data
14	Transmit Data
15	Transmit Data
16	Transmit Data
17	Transmit Data
20	Transmit Data
21	Receive Data
22	Receive Data
23	Transmit Data

Built in DCE/DTE jumpers

Operating Distance for Fiber Optic Cable

Fiber Size (Microns)	Attenuation dB/km	Distance* Meters	Distance* Feet/Meters
100	5.0	2000	6600/2k
62.5	4.0	2000	6600/2k
50	3.0	2000	6600/2k

* 5 Km option.

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

