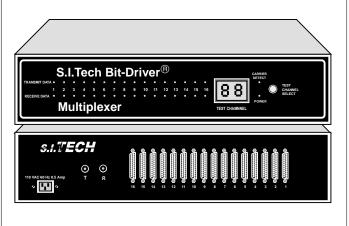
Fiber Optic Bit - Driver ® synchronous Time Division Multiplexer



Operation Mode: Asynchronous, simplex or full

duplex.

at 0 to 19.2 kbps.

Phase Distortion: Less than 12.5%

RTS/CTS Delay Time: 0 Number of Channels: 16 Optical Power into a 50

Micron core Optical Fiber: 10 microwatts

Transmission Wavelength: 820 nanometers (1300 nm option) Receiver Sensitivity: 1 microwatts at less than 10⁻⁹

bit error rate

Optical Connector: ST or SMA metal receptacle

Operating Temperature: 0 °C to 50 °C

Input Power: 105 to 130 VAC 60 Hz, 50 W

Power transformer secondary fused and operates from 50 to 520 Hz

Detachable power supply cord

Metal Enclosure: 17.25" X 10" X 4.125"

(43.8 X 25.4 X 10.5 cm) - rack

mounting with ears

Weight: 12 lbs. (5.45 Kg) 220 Volt Version: Model 2016V

UL & CSA listed. Meets FCC requirements of Class A, Part 15 Computing Devices Standard.

Specifications subject to change without notice.

S.I Tech Model 2016 Bit-Driver® multiplexer is ideal for in-house data transmission where you have clustered terminal situations. It delivers 16 full duplex ports 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 2016 is a sixteen channel 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 each channel and the integrity of the link. If a problem develops, you can select a digital loopback for any channel at both ends of the link without interrupting the data flow on the other fifteen channels. If transmission line problems are suspected, an analog loopback can be selected and the cable will be Input/Output Interface: RS-232-C, Type D Asynchronous included in the test loop. Operating distance is 6600 feet (2 Km), 5 Km option.

Operating Distance for Fiber Optic Cable

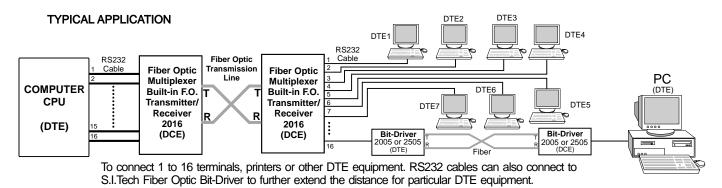
Fiber Size (Microns)	Attenuation dB/km	Distance* Meters	Distance* Feet
100	5.0	2000	6600
62.5	4.0	2000	6600
50	3.0	2000	6600
10 SM	1.0 **	7000	23000

^{**} Single Mode Option

RS - 232 CONNECTOR PINS UTILIZED BY 2016 MULTIPLEXER

NO - 252 CONNECTION I INC CITELED BY 2010 MICE III ELXLIN							
Pin No	EIA Designation	Description	Symbol	DTE DCE			
1	AA	Protective Ground	Chassis Ground	<u> </u>			
2	BA	Transmitted Data	TXD	-			
3	BB	Received Data	RXD	-			
4*	CA	Request to Send	RTS				
5	CB	Clear to Send	CTS	-			
6	CC	Data Set Ready	DSR	-			
7	AB	Signal Ground	Sig. Gnd.	←			
8	CF	Data Carrier Detect	DCD	-			

^{*} Optional signal not required for normal operation.



For application engineering assistance: 630-761-3640 FAX: 630-761-3644 S.I.Tech, P.O.Box 609, Geneva, Illinois 60134 U.S.A. Web site: http://www.sitech-bitdriver.com. ©2005 S.I. Tech, Inc.

Short length of some fiber types can overload the receiver, see installation instructions.