






FIBER OPTIC SOLUTIONS FROM S.I. TECH








<h2 style="color: blue;">CATALOG</h2>	<p>A catalog is available from the S.I. Tech website located at http://www.sitech-bitdriver.com. Over 90 products listed and it includes a Fiber Optic System Design Guide</p>	
<h2 style="color: blue;">LAN ETHERNET</h2>	<p>2151</p> 	<ul style="list-style-type: none"> • Industrial Ethernet • Ruggedized for Industrial Applications • Din rail mounting • Redundant Power: 10 to 30 VDC • Status Indicators: Power, Link/Active for Fiber & Ethernet 10 or 100 Mbps, OSD • Switch for Autonegotiation, Speed, Duplex mode, Flow Control • Multimode or single mode
	<p>2160</p> 	<ul style="list-style-type: none"> • Full Duplex Gigabit Ethernet over Fiber Bit-Driver® • Supports 10/100/1000 Mbps and POE • Auto Detection MDI/MDI-X • LED Status Indicators • Multimode or single mode • SC or LC connectors
	<p>2703</p> 	<ul style="list-style-type: none"> • Unmanaged Layer 2 Ethernet Switch • Data rate is 10/100 Mbps • Offers 3 ports (2 optical & 1 electrical) • Power, Link Status, and Data Speed LEDs • Din rail mounting option • Fiber In / Fiber Out / Ethernet Drop
<h2 style="color: blue;">RUGGEDIZED RS232/422/485</h2>	<p>2560 / 2561 / 2562</p> 	<ul style="list-style-type: none"> • RS232/RS422/RS485 to Fiber Mini Bit-Driver® • RS232 data rate up to 115 Kbps, max data rate for RS422 is 500 Kbps and max data rate for RS485 is 115 Kbps asynchronous, simplex or full duplex operation • -40°C to +80°C operating range • Rugged housing, Mounting brackets • AC/DC or DC power option • Multimode or single mode 850, 1310, or 1550nm option • ST connectors • Used in SCADA systems, Energy Management, Industrial Control, Process Control, and Security
	<p>2617</p> 	<ul style="list-style-type: none"> • RS232 to Fiber Mini Bit-Driver® • Asynchronous, Simplex or Full Duplex • Data rate up to 56 Kbps • Temp Range: -40°C to +85°C • DTE or DCE switch selectable • Supports ring networks

UL/CE/FCC/ISO9001-2015/RoHS

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INST/CONTROL	2110		<ul style="list-style-type: none"> • Mini Optical Bit-Driver® for RS-485 applications • N2 Bus or 2110-BAC for BACNET applications • Data rates from 9600 bps to 76.8 Kbps • Multimode or single mode
	2145		<ul style="list-style-type: none"> • Mini Optical Bit-Driver® for RS-485 applications • Meets PROFIBUS-DP & MODBUS specifications • Din rail mounting • Data rates from 9600 bps to 12 Mbps • Multimode or single mode • Tested and approved by Profibus Lab
	2147		<ul style="list-style-type: none"> • Meets PROFIBUS-DP specification • Redundant ring • Multimode and single mode, plastic or glass fiber • 2 port optical repeater, optical T-connector, optical to electrical converter • 9600 bps to 12 Mbps - Auto Negotiation - visual indicators with Data speed display • Status indicators: Activity and Error Condition on each port
	2816		<ul style="list-style-type: none"> • High Speed TTL • Max data rate is 40 Mbps • Din rail mounting • 75-Ohm BNC input jack • Multimode or single mode • ST connectors
	2817		<ul style="list-style-type: none"> • TTL to Fiber Optic Transmitter/Receiver Pair • Max data rate is 20 Mbps • Din rail mounting • 75-Ohm BNC input jack • Multimode or single mode • ST connectors
	2820 / 2821		<ul style="list-style-type: none"> • TTL to Fiber Optic Transmitter/Receiver Pair • Two Channels for TX and RX • Max data rate is 50 Mbps • Data and IRIG (Timing) channel • Multimode or single mode • ST connectors
	2866		<ul style="list-style-type: none"> • RS-422 (4 Wire) to Fiber Mini Modems • Transmitter/Receiver PCB • Multimode or single mode • 5 or 12 VDC Power • Data rate up to 20 Mbps • ST connectors

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<p style="text-align: center;">INDUSTRIAL RS232/422/485</p>	<p style="text-align: center;">2563</p> 	<ul style="list-style-type: none"> • RS232/422/485 (Three in One) to Fiber Mini Bit-Driver® • Full duplex RS232 and RS422 • Half duplex RS485, rotary switch sets bit rate • Mounting brackets • Data rate up to 115 Kbps Async • Multimode or single mode
<p style="text-align: center;">MULTIPLEXER RS232/422</p>	<p style="text-align: center;">2564</p> 	<ul style="list-style-type: none"> • Full duplex 2 Channel RS422 Mini Multiplexer • Up to 180 Kbps asynchronous operation • LED indicators for power, optical link status, transmit and receive data • Multimode or single mode • ST connectors
<p style="text-align: center;">MULTIDROP (SCADA) RS232/422/485</p>	<p style="text-align: center;">2109 / 2128 / 2140</p> 	<ul style="list-style-type: none"> • RS232/422/485 Multidrop Bit-Driver® • Multimode or single mode • Plastic or glass fiber • ST connectors • Mounting flanges • Din rail mounting option • Used in Windmills, Energy Management, Meter Reading, and Security System Applications
<p style="text-align: center;">MULTICHANNEL RS422/TTL</p>	<p style="text-align: center;">2856-4R / 2857-4R</p> 	<ul style="list-style-type: none"> • TTL or RS422 Asynchronous Simplex or Full Duplex Bit-Driver® • 50 or 75 Ohm Coax • Four-wire Terminal Block • Data rate up to 20 Mbps • Multimode is standard, single mode optional
<p style="text-align: center;">OPTICAL REPEATERS</p>	<p style="text-align: center;">2062</p> 	<ul style="list-style-type: none"> • Fiber Optic Repeater or Converter • Max data rate is 20 Mbps • Multimode to multimode, multimode to single mode, or single mode to single mode • Plastic or glass fiber • ST connector is standard • Works with Ethernet, Token Ring, T1, TTL, & other protocols
	<p style="text-align: center;">2082 / 2092</p> 	<ul style="list-style-type: none"> • Fiber Optic Repeater or Converter • 2082 - Max data rate is 1000 Mbps • 2092 - Max data rate is 10 Gbps • Multimode to multimode, multimode to single mode, or single mode to single mode • 2082 – SC or LC connector • 2092 – LC connector is standard • Works with Ethernet, T3, & other protocols

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USB	2130 / 2131 / 2132 	<ul style="list-style-type: none"> • USB to Fiber Serial Interface • Data rates 300bps to 3Mbps dependent on connecting product • Compatible with fiber interface found on many S.I. Tech serial data links <ul style="list-style-type: none"> RS-232: 2005, 2505, 2507, 2617 RS-422: 2106, 2116, 2140, 2866 RS-485: 2110, 2128
	2183 / 2184 	<ul style="list-style-type: none"> • USB 1.1 and 2.0 over Fiber Bit-Drivers® • Power, Link Status, and Host LED indicators • Connects to UHCI, OHCI and EHCI Host • Improved Operation for Vista operating system • Supports USB 1.1 and 2.0 host controller • Works with National Instrument Controllers • LC optical connectors
VIDEO AUDIO	2509 	<ul style="list-style-type: none"> • Video Transmitter • 75 Ohm BNC female • Connects directly to camera • Multimode or single mode • ST connector
	2829 	<ul style="list-style-type: none"> • Digital Video over Fiber System • NTSC or PAL Video Standards • Composite (CVBS), S-Video, Component (YPrPb) Video Formats • Two way audio • Pan/Tilt/Zoom • Multimode or single mode
	2830 	<ul style="list-style-type: none"> • HDMI to Fiber Transmitter & Receiver • Extend HDMI over multimode fiber • SC connectors • Used with HD Camera, Blue Ray DVD, Games, & Computers
	2237-T/R / 2239 	<ul style="list-style-type: none"> • Digital Stereo Audio over Fiber System • 2239 – Bidirectional Audio TR/Rec • System Bandwidth is 10 Hz to 20 KHz • Will drive two 1-watt speakers • AC or DC power • Multimode or single mode • ST connectors
WAN T-1/E-1	2890 / 2891 	<ul style="list-style-type: none"> • T1/E1 over Fiber Bit-Driver® • Tested and Approved by multiple Switch/PBX manufacturers • Stand alone or rack mounted • Multimode or single mode • ST connectors

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