ODT1510_R03

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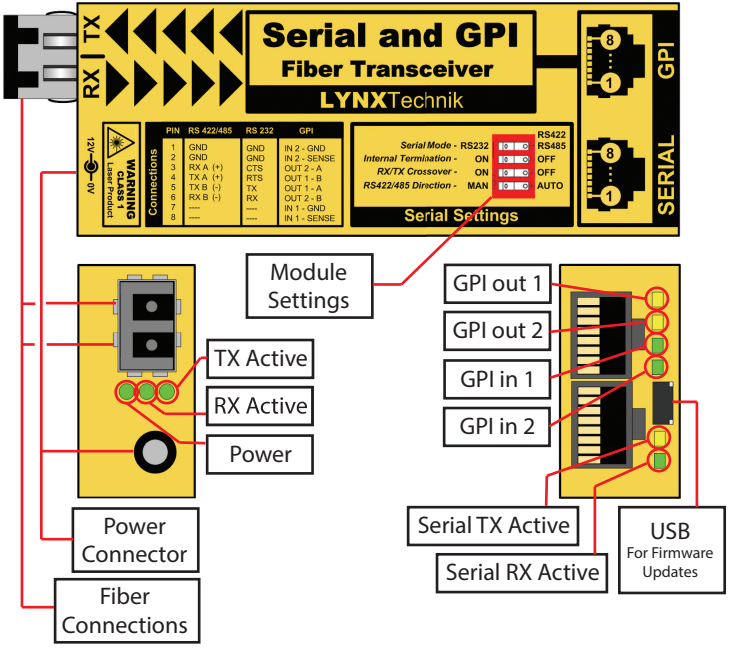
Quick Reference

Technical Specifications

Serial I/O	EIA/ETA RS232C / RS422 / RS485 (selectable) - RJ45 Connector
	Baud rate - Auto sense and auto adjust from 300 to 460K
	Serial setting dip switch provides settings for: • Select RS232 / RS422/485 modes • Select serial termination (for end of line) • RX/TX crossover to flip the RX and TX if needed • Set RS422/485 data direction to automatic or manual if needed
	LED status indicators (Serial TX activity + Serial RX activity
	ESD protection for up to 26kV
GPI I/O	2 x general purpose inputs + 2 x general purpose outputs. RJ45 Connector
	GPI Inputs: • External passive closure between pins (short) to trigger • Max input switching frequency 25Hz (50 operations / second) • Input insulation 3.75kV
	GPI outputs: • Internal contact closure (relay) • Max switching frequency 25Hz • Max switching power 220VDC / 0.25A or 250VAC / 0.25A • Output insulation 3.75kV
	LED status indicators (under RJ45 connector) GPI Input 1 activity / GPI Input 2 activity GPI Output 1 activity / GPI Output 2 activity
Fiber I/O	1 x Fiber output (TX) and 1 x Fiber input (RX) LC connections
	Singlemode Version TX wavelength 1310nm, power -3dBm RX input range 1260nm to 1620nm, sensitivity -3dBm to -21dBm Max distance 10km (6.2miles)
	Multimode Version TX wavelength 850nm, power -2dBm to -7dBm RX input 850nm sensitivity 0dBm to -15dBm Max distance approx 550m (1804 feet)
Power	+12VDC @ 2.0W nominal - (supports 7 - 15VDC input range)

ODT 1510

Serial and GPI Fiber Transceiver



WARNING
CLASS 1M LASER PRODUCT

LASER RADIATION
Do not view directly with optical instruments

Connections

The ODT 1510 modules are designed to be used in pairs, one ODT 1510 connected to another in a remote location. The module supports Serial RS232/422 and RS485 in full and half duplex, the module also provides support for two GPI and GPO signals. Connection examples and recommended switch settings are shown below. Fiber connections use LC type connectors and two fiber links are needed, one for transmit and another for receive. Two version of the module are available, one for Singlemode fiber the other for Multimode fiber.