



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

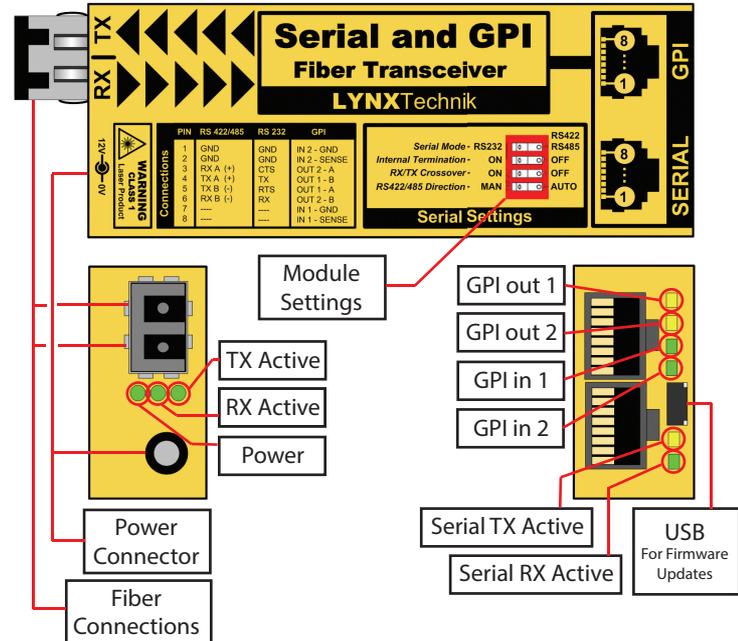
RX input 850nm sensitivity 0dBm to -15dBm

Max distance approx 550m (1804 feet)

Power +12VDC @ 2.0W nominal - (supports 7 - 15VDC input range)

ODT 1510

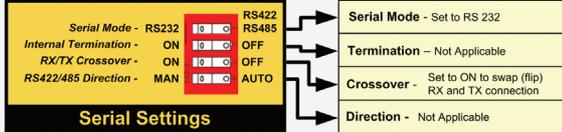
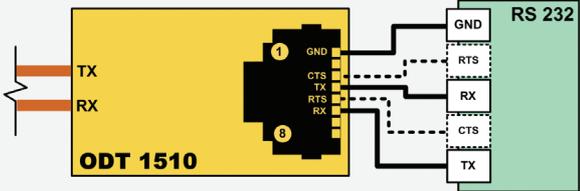
Serial and GPI Fiber Transceiver



Connections

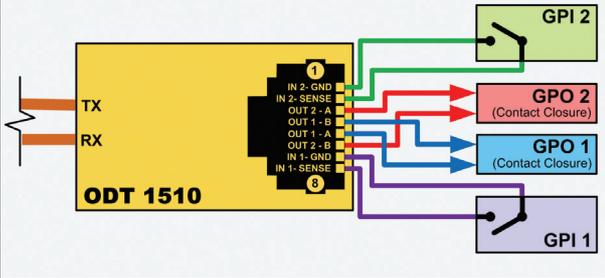
The ODT 1510 modules are designed to be used in pairs, one ODT 1510 connected to another in a remote location. The module supports Serial RS232/422 and RS485 in full and half duplex, the module also provides support for two GPI and GPO signals. Connection examples and recommended switch settings are 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.

RS 232 Connections

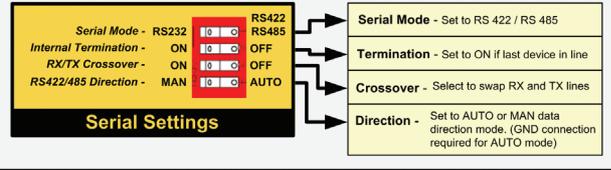
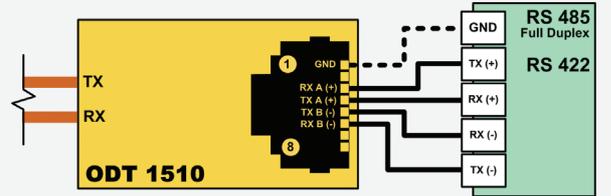


Note: CTS and RTS connections are not always required for RS 232 communications, it depends on the devices and application

GPI Connections



RS 422/485 Connections



RS 485 Connections – Half Duplex

