

Ethernet to Fiber Transceiver (switch)

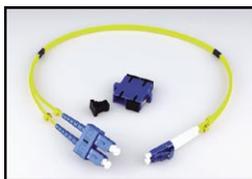
- Supports standard Ethernet inputs up to 1 Gbit
- 3 port Ethernet switch (1 fiber, 2 electrical)
- Auto (10/100/1000) electrical port speed detection
- Manually force 10Mbit electrical speed (if needed)
- Fiber transceiver speed always 1 Gbit
- Auto or manual electrical crossover selection
- Distances up to 10km (6.2 miles) over SMF fiber

The OET 1510 is a compact 3 port Ethernet switch, designed to extend the reach of electrical Ethernet signals over long distances using a constant (fixed) high speed 1 Gbit optical transceiver speed.

When paired with another OET 1510 at the receiving end (using two fiber links) you have a cost effective Ethernet extender system for distances up to 10km providing a stable, high speed 1Gbit error free optical connection between locations.

The OET 1510 has two standard RJ45 electrical Ethernet ports plus fiber I/O and functions as a 3 port Ethernet switch. For legacy system use; each electrical Ethernet port can be set for automatic speed detection (10/100/1000) or forced to 10Mbit, and each port can use auto crossover detection or be forced manually if needed. These functions are available using the dip switch.

Options



Model# **LC/SC DUP**
LC/PC to SC/PC Adapter



Model# **LC/ST DUP**
LC/PC to ST/SC Adapter

These adapters allows the use of ST or SC fiber connections on the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



Technical Specifications

Ethernet	2 x Ethernet ports, RJ 45 Connectors. 10 BaseTUTP category 3,4 or 5 cable up to 328ft/100m (2 pairs) 100 BaseTXUTP category 5 cable up to 328ft/100m (2 pairs) 1000 BaseTXUTP category 5 cable up to 328ft/100m (4 pairs) Auto detect bit rate (10/100/1000), or force to 10Mbit for each port (selectable) Automatic crossover detection or force manually for each port (selectable) Port speed / activity LED indication (next to Ethernet port)
Fiber Optic	1 x fiber optic input (TX) 1 x fiber optic output (RX) Duplex (single mode) using LC/PC Connections IEEE 802.3z (1000BASE-X Gbit/s Ethernet over Fiber at 1 Gbit/s (125 MB/s) Transmitter: 1310nm (-3dBm) Receiver: 1260nm to 1620nm (-3dBm to -21dBm) Fiber TX active and RX active LEDs on side of module Max. distance 10km (6.2 miles - Singlemode)
Power	+12VDC power supply (included) (supports external power input from 9 - 14 VDC) Power LED on side of module
Size	105mm x 40mm x 22mm (4.13" x 1.57" x 0.86")
Model #	OET 1510
Includes	Module, 12V DC power supply and wall mounting brackets (fiber optic cable not included)

Fiber Optic Connection

LC Duplex (Singlemode) up to 10Km (6.2 miles)
(not included)



Specifications subject to change