

## Ethernet to Fiber Transceiver (switch)

- Supports standard ethernet inputs up to 1 Gbit/s
- 3 port ethernet switch (1 fiber, 2 electrical)
- Auto (10/100/1000) port speed detection
- Manually force 10Mbit/s electrical speed (if needed)
- Fiber transceiver speed always 1 Gbit/s
- Auto or manual electrical crossover selection
- Distances up to 10km(6.2 miles)\* over fiber
- 2 SFP selections (Singlemode and Multimode)



The OET 1514 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/s 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/s error free optical connection between locations.

The OET 1514 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/s, and each port can use auto crossover detection or be forced manually if needed. These functions are available using the dip switch.

### Ordering Info:

The **OET 1514** base price **DOES NOT INCLUDE** the fiber transmitter SFP sub module. Please specify the required SFP from the option list below.

### SFP Options (select one)

Option #	Wavelength	TX Power	RX Sensitivity	Distance*
<b>OH-TR-51-LC</b>	1310nm	-3 dBm	-23dBm	10km* (6.2mi)
<b>OH-TR-50-850-MM</b>	850nm	-2 ... -7dBm	-15dBm	550m* (1800ft)

### Power Adapter Options

The kit includes an AC power supplies. The power adapters below are optional.



**P-TAP 1000**  
Use with a standard battery P-TAP power source.



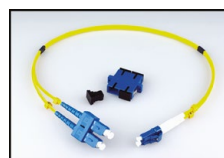
**XLR 1000**  
Use with a standard 4 pin XLR camera battery power source.

## Technical Specifications

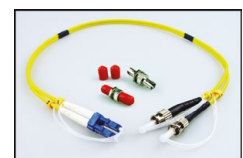
<b>Ethernet</b>	2 x Ethernet ports, RJ 45 Connectors. 10 BaseTUTP category 3,4 or 5 cable up to 328ft/100m (2 pairs) 100 BaseTXUTP category 5 cable up to 328ft/100m (2 pairs) 1000 BaseTXUTP category 5 cable up to 328ft/100m (4 pairs)  Auto detect bit rate (10/100/1000), or force to 10Mbit for each port (selectable)  Automatic crossover detection or force manually for each port (selectable)  Port speed / activity LED indication (next to Ethernet port)
<b>Fiber Optic</b>	<b>1 x fiber optic input</b> (Range 1270-1610nm, Sensitivity -3dBm to -23dBm) <b>1 x fiber optic output</b> Duplex (Single mode) using LC/PC Connections  IEEE 802.3z (1000BASE-X Gbit/s Ethernet over Fiber at 1 Gbit/s (125 MB/s)  TX and RX active LEDs on side of module  Max. distance approx. 10km* (6.2 miles - Singlemode)
<b>Power</b>	+12V DC @ 1.7W nominal without SFP ( supports 7 - 22VDC input range )
<b>Physical</b>	Size: 120mm x 42mm x 22mm (4.73" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz)
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
<b>Model #</b>	OET 1514 ( EAN# 4250479329447 )
<b>Includes</b>	Module, AC power supply

### Fiber Adapter Options

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



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



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

\*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

