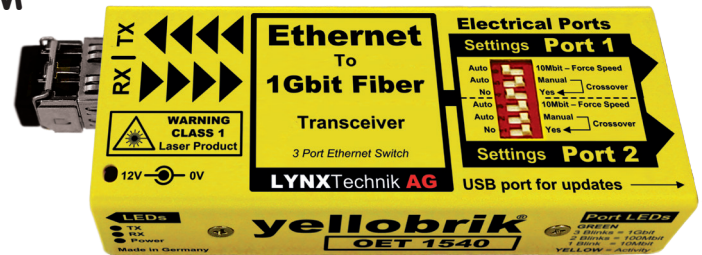


## Ethernet to Fiber Transceiver (switch) - CWDM

- Supports standard Ethernet inputs up to 1 Gbit
- 3 port Ethernet switch (1 fiber, 2 electrical)
- Auto (10/100/1000) 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 40km (24.8 miles) over fiber
- 18 CWDM wavelength selections (ITU-T G.694.2)



The OET 1540 is a compact CWDM compatible Ethernet 3 port switch, designed to extend the reach of electrical Ethernet signals over long distances using a constant (fixed) high speed 1 Gbit optical transceiver speed.

18 selectable CWDM wavelengths are provided to enable the module to be used in a multiplexed CWDM environment. When paired with another OET 1540 at the receiving end (using two fiber links) you have a cost-effective Ethernet extender system for distances up to 40km - providing a stable, high speed 1Gbit error free optical connection between locations.

The OET 1540 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.

### Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



#### P-TAP 1000

Use with a standard battery P-TAP power source.



### Ordering Info:

Note: The **OET 1540** price **DOES NOT INCLUDE** the fiber transmitter SFP module. Please specify the required wavelength from the option list below.

### CWDM Wavelength Options. (select one)

Wavelength	Power	Option #
1270nm	+2dBm	<b>OH-TR-54-1270</b>
1290nm	+2dBm	<b>OH-TR-54-1290</b>
1310nm	+2dBm	<b>OH-TR-54-1310</b>
1330nm	+2dBm	<b>OH-TR-54-1330</b>
1350nm	+2dBm	<b>OH-TR-54-1350</b>
1370nm	+2dBm	<b>OH-TR-54-1370</b>
1390nm	+2dBm	<b>OH-TR-54-1390</b>
1410nm	+2dBm	<b>OH-TR-54-1410</b>
1430nm	+2dBm	<b>OH-TR-54-1430</b>

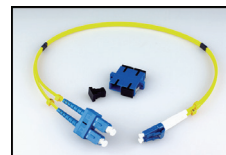
Wavelength	Power	Option #
1450nm	+2dBm	<b>OH-TR-54-1450</b>
1470nm	+2dBm	<b>OH-TR-54-1470</b>
1490nm	+2dBm	<b>OH-TR-54-1490</b>
1510nm	+2dBm	<b>OH-TR-54-1510</b>
1530nm	+2dBm	<b>OH-TR-54-1530</b>
1550nm	+2dBm	<b>OH-TR-54-1550</b>
1570nm	+2dBm	<b>OH-TR-54-1570</b>
1590nm	+2dBm	<b>OH-TR-54-1590</b>
1610nm	+2dBm	<b>OH-TR-54-1610</b>

### Technical Specifications

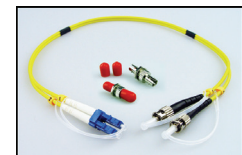
<b>Ethernet</b>	2 x Ethernet ports, RJ 45 Connectors. 10 BaseTUTP category 3,4 or 5 cable up to 328ft/100m (2 pairs) 100 BaseTXUTP category 5 cable up to 328ft/100m (2 pairs) 1000 BaseTXUTP category 5 cable up to 328ft/100m (4 pairs)
	Auto detect bit rate (10/100/1000), or force to 10Mbit for each port (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> CWDM (ITU-T G.694.2) 18 selectable wavelengths Duplex (Single mode) using LC/PC Connections
	IEEE 802.3z (1000BASE-X Gbit/s Ethernet over Fiber at 1 Gbit/s (125 MB/s))
	Fiber TX active and RX active LEDs on side of module
	Max. distance approx. 40km (24.8 miles - Singlemode)
<b>Power</b>	+12VDC @ 1.5W nominal without SFP +12VDC @ 2.3W nominal with SFP ( supports 7 - 15VDC 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 1540 - ( EAN# 4250479315426 )
<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

Specifications subject to change