

### 10Gbit/s Ethernet to Fiber Transceiver

- Supports standard Ethernet/Optical signals of 10Gbit/s or 1Gbit/s
- Allows Fiber to Copper and Copper to Fiber conversion
- Singlemode and Multimode versions available
- 2x 10Gbit/s transceiver ports (Electrical/Optical) per module
- Maximum throughput of 20Gbit/s (full duplex)
- Distances up to 20km (12.4 miles) over singlemode fiber\*
- Power and signal present LED indication
- Supports hot swapping and hot plugging

The OET 1910 is a compact electrical ethernet to fiber optic converter, designed to extend the reach of 1Gbit/s or 10Gbit/s electrical ethernet networks over long distances.

When paired with another OET 1910 (using two fiber links) you have a simple cost-effective ethernet extender solution for distances up to 20km\* providing a stable, high-speed optical ethernet connection between locations.



### Technical Specifications

<b>SFP Slots</b>	2 x 10 Gigabit SFP+ slots (Port 1 & 2)	
	Supports 10GBase-T SFP, 10GBase-X, 1000Base-T	
	IEEE 802.3ae	
<b>Port 1</b>	<b>10Gbit/s Base Optical Long Reach+ Transceiver SFP (OET 1910)</b>	1310nm wavelength - singlemode Duplex LC connector TX Optical Power: -3 to +1dBm / RX Sensitivity: -14.4dBm Max. distance up to 20km (~12.4 ml)*
	<b>10Gbit/s Base Optical Multimode Transceiver SFP (OET 1910 MM)</b>	850nm wavelength - multimode Duplex LC connector TX Optical Power: -6 to -1dBm / RX Sensitivity: -11dBm Max. distance up to 300m (~984.2 ft)* - 50/125µ OM3
<b>Port 2</b>	<b>10Gbit/s Base Electrical I/O SFP</b>	10 Gigabit Ethernet via Cat6a/Cat7 cable RJ-45 connector Max. distance up to 30m (~98.4ft)*
<b>LED</b>	3 x LED (1x Power LED) (2x Signal present LED)	
<b>Power</b>	+12V DC @ 4W with SFPs ( supports 7 - 15V DC 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 1910 (EAN# 4250479328358) OET 1910 MM (EAN# 4250479328365)	
<b>Includes</b>	Module, Power Supply, 2x SFPs	

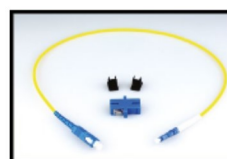
### Application Example: OET 1910



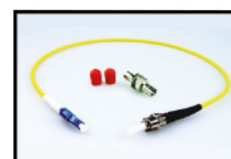
\*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Specially, when it comes to fiber cables and accumulated optical losses in the fiber link. Determine link losses and perform optical budget calculations to ensure correct operation.

### 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 SIM**  
LC/PC to SC/PC Adapter



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



Model# **LC/FC SIM**  
LC/PC to FC/PC Adapter

OET1910-rev03 Specifications subject to change

