



OET19X0_R01

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Reference**

Technical Specifications

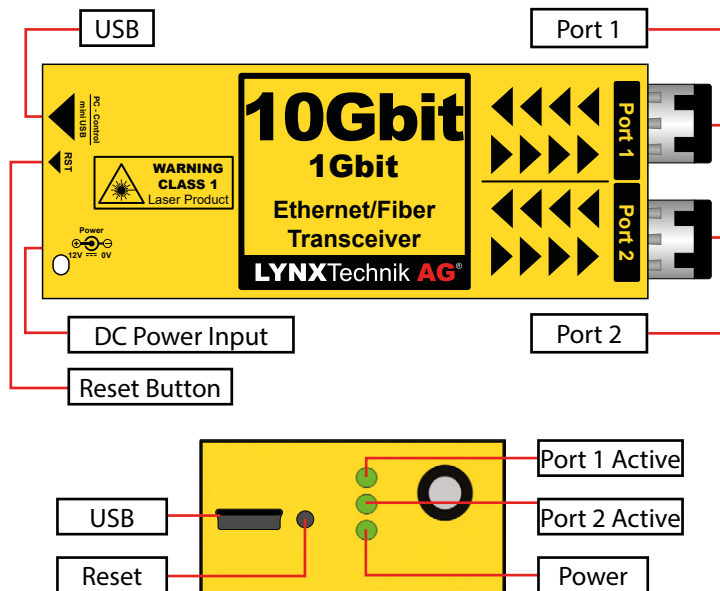
10G Fiber-TR slots	2 x 10 Gigabit SFP+ slots Supports 10GBase-T SFP, 10GBase-X, 1000Base-T IEEE 802.3ae
10GBase-LR SFP	1310nm wavelength - singlemode Duplex LC connector Max. distance 20km
10GBase-MM SFP	850nm wavelength - multimode Duplex LC connector
10GBase-CWDM SFP	1270 to 1610nm wavelength Duplex LC connector
10GBase-T SFP	10 Gigabit Ethernet via Cat6a/Cat7 cable RJ-45 connector Cable distance up to 30m
10GBase-BD SFP	1270nm or 1330nm wavelength - bidirectional Full Duplex LC connector
LED	3 x LED (1x Power LED, 2x Signal present LED)
Power	+12V DC @ 4.7W with SFPs (supports 7 - 15V DC input range)
Physical	Size: 120mm x 42mm x 22mm (4.73" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz)

We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.

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OET 19X0(MM/MC) 10Gbit/s Ethernet to Fiber Transceiver



WARNING



CLASS 1 LASER PRODUCT

A Class 1 laser is safe under all conditions of normal use. **This means the maximum permissible exposure (MPE) cannot be exceeded when viewing a laser with the naked eye or with the aid of typical magnifying optics (e.g. telescope or microscope).** An unsafe power level may be collected by a magnifying optic with a larger aperture.

The optical port should be terminated with an optical connector or a dust plug.

Note: OET 1910 is shown, OET 1940 and variants have identical layout

Connections

OET 1910	Basic Singlemode ↔ Copper		-MM Multimode ↔ Copper	
	OET 1910	OH-TR-10G-LC OH-TR-10G-RJ45	OET 1910 MM	OH-TR-10G-LC-MM OH-TR-10G-RJ45
OET 1940	Basic CWDM Singlemode ↔ Copper		-MC Multimode ↔ CWDM	
	OET 1940	OH-TR-10G-XXXX-LC OH-TR-10G-RJ45	OET 1940 MC	OH-TR-10G-LC-MM OH-TR-10G-XXXX-LC
OBD 1910	-E Copper ↔ BiDi-Singlemode ↔ Copper (Pair of modules)			
	OET 1940 E Type A	OH-BD-10G-1270-LC OH-TR-10G-RJ45	OH-BD-10G-1330-LC OH-TR-10G-RJ45	OET 1940 E Type B
OBD 1910	-MM Multimode ↔ BiDi-Singlemode ↔ Multimode (Pair of modules)			
	OET 1940 MM Type A	OH-BD-10G-1270-LC OH-TR-10G-LC-MM	OH-BD-10G-1330-LC OH-TR-10G-LC-MM	OET 1940 MM Type B

Operation

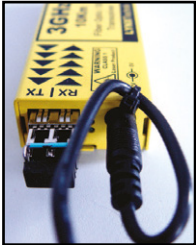
Operation is fully automatic. The data rates are automatically detected, set accordingly to 10Gbit/s or 1Gbit/s and transmitted/received via the optical connections. The module has two fully independent SFP cages for various combinations of connections. The module supports hot swapping and hot plugging of connections. No user settings are provided for this module. Monitoring via RCT 1012 or a direct PC connection is possible.

Power

The module requires a +12V DC power input and an LED is provided to confirm power is connected. A power supply is included with the module. If applying a third party power supply, please provide a low noise power source between +7 and +15V DC. The module power consumption is approximately 4.7W nominal.

Power Lead Strain Relief

The module has a small hole in the case which is located above the power connection. This prevents the power lead being accidentally pulled out. Use the supplied tie-wrap and secure the lead as shown below.



Optional Mounting Solutions

The optional RFR 1001 mounting bracket can be used to permanently mount the module on any surface or on 19" rack rails.



The optional RFR 1000-1 rack mount can be used to permanently mount up to 14 yellobrik modules. In addition, the RFR 1000-1 can provide full power redundancy for all mounted yellobriks.



Note: OET 19X0 is identical in terms of mounting and securing.