OET 1514
Ethernet to Fiber Transceiver (switch)

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/s for each port
	Automatic crossover detection or force manually for each port
	Port speed / activity LED indication (next to Ethernet port)
Fiber Optic	**1 x fiber optic input, 1 x fiber optic output** SMF (singlemode) using LC/PC connection
	IEEE 802.3z (1000BASE-X Gbit/s Ethernet over Fiber at 1Gbit/s (125 MB/s)
	Singlemode Version: OET 1514 Transmitter: 1310nm (-3dBm) Receiver: 1260nm to 1620nm (-23dBm) Max. Distance: 10km(6.2 miles)*
	Multimode Version: OET 1514-MM Transmitter: 850nm (-2dBm to -7 dBm) Receiver: 850nm (-15dBm) Max. Distance: 550m(1800 feet)*
	TX and RX active LEDs on side of module
Power	+12V DC @ 1.7W nominal (without SFP) Input range: 7 - 22V DC
	Power LED on side of module

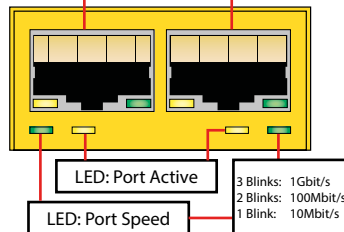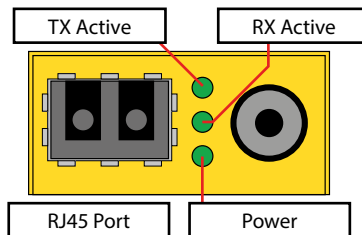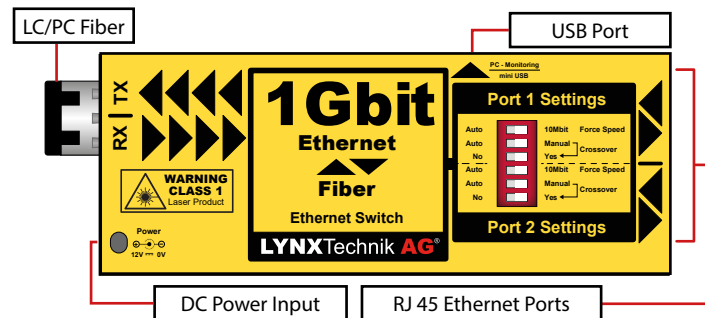*distances are an approximation depending on fibers used and quality of physical connections.

We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.
www.lynx-technik.com

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LC/PC Fiber

USB Port

DC Power Input

RJ 45 Ethernet Ports

TX Active   RX Active

RJ45 Port   Power

LED: Port Active

LED: Port Speed

3 Blinks:	1Gbit/s
2 Blinks:	100Mbit/s
1 Blink:	10Mbit/s

WARNING

**LASER RADIATION
Do not view directly with
optical instruments**

CLASS 1M LASER PRODUCT

WARNING: Module laser is active as soon as power is connected, **regardless of LED indication**

Connections

The module operates as a 3 port ethernet switch with two standard RJ45 electrical ethernet ports and an SFP port for twin fiber connectors.

If not connected, use the included dust plug to protect the SFPs optical connection from dust and eyes from the laser light.

Operation

The module maintains a constant fiber communication speed regardless of the speed of the 2 electrical ports. The electrical ethernet ports can be configured indepenently using the module dip switch if required. This facilitates the use with older legacy electical networks.
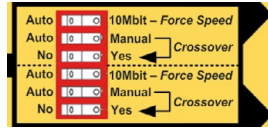
The electrical port speeds can be set to automatic mode (10/100/1000 Mbit/s) or forced 10Mbit/s if required. It is also possible to configure automatic or manual crossover for the electrical ports (forced manual crossover is sometimes needed for older networks).

Note: TX LED is continuously ON as soon as an SFP is inserted and the device is powered on. The purpose is to protect eyes and other optical instrument, as the SFP laser is active.

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.
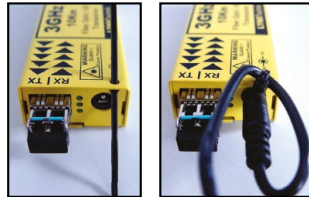
Power

The module requires a clean 12V DC (7-22V DC) power source. An LED is provided to confirm power is connected. A 12V DC power supply is included with the module. Power consumption information can be found in the technical specifications table.

Optional Mounting Solutions

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

The optional rack mount can be used to permanently mount up to 14 yellobrik modules. In addition, the RFR 1200 can provide full power redundancy for all mounted yellobriks.

USB Connection

The USB interface of the module is used for monitoring and firmware updates. To update a yellobrik, power it on and connect it to a PC or Mac running LYNX control software (yelloGUI or LynxCentraal) with the provided USB cable.
You will be notified if a new firmware is available.

LYNX | Centraal™

yelloGUI

Online Product Page

For additional information on the device visit our website via the QR code to the right. This website shows the most recent datasheets, quick reference guides and more.
If you encounter issues or have questions regarding the device please visit our support section.