

OM10GB

Ethernet Media Converter

1G/2.5G/5G/10GBASE-T electrical
to
10GBASE-R optical



Description

- Copper to optical 10GbE Ethernet media converter.
- OM10GB-30 auto negotiates to 10G, 5G, 2.5G or 1G.
- OM10GB-80 auto negotiates to 10G.
- Up to 80 meter electrical reach with Cat 6a cable.
- Optical speed is fixed at 10G bps
- Optical distances up to 80 km.
- A variety of SFP+ modules are available for various distances and fiber types.
- Link-pass-through enables local detection of a remote link failure.
- Console interface shows status.
- Power, E-Link, and O-Link LEDs
- Rugged metal case for low radiated and conducted emission.

Features

- Optical strength meter
- Plug and play
- Link-Pass-Through switch.
- Rack mountable
- Jumbo packet support
- 12 to 56 VDC power input.
- 5 Year warranty

Management Interface

The USB console displays electrical and optical status such as RX power, TX power and temperature. Its use is optional.

Specifications

Optical

See 10GBASE optics in *the SFP Ordering Guide* at <https://www.luxcom.com/product/sfp/>. Multimode, single-mode, duplex fiber, single fiber optical modules are available.

General

Operating temperature	0°C to 70°C
Humidity (RH)	10% to 95%
MTBF	> 50,000 hours
Dimensions	10 x 6.4 x 2.2 cm

Electrical

Data I/O levels	IEEE 802.3
Date rates, OM10GB-30	1/2.5/5/10GBASE-T
Date rates, OM10GB-80	10GBASE-T
Data cable length max. at 1G, OM10GB-30	100 meters
Data cable length max. at 10G, OM10GB-30	30 meters
Data cable length max. at 10G, OM10GB-80	80 meters
Power input to modem	12 to 56 VDC
Power input to desk top power supply (if included)	100-240Vac, 50-60 Hz
Power consumption typical at 10GbE	< 5 Watts

Ordering Information

The modem and SFP are separate order items.

Modem part number:

OM10GB-30	without power supply
OM10GB-30-24	with 24V power supply
OM10GB-30-48	with 48V power supply
OM10GB-80	without power supply
OM10GB-80-24	with 24V power supply
OM10GB-80-48	with 48V power supply

SFP optic part number: Select a 10GBASE-R SFP+ from the <https://www.luxcom.com/product/sfp/>.

Accessory part numbers:

DIN-Clip-5 allows the modem to be snapped to a DIN rail.

See <https://www.luxcom.com/product/mounting-clip-din-clip-5/>

MC-OM101 mounts a modem on a flat surface.

See <https://www.luxcom.com/product/mounting-clip-mc-om101/>

MP5 panel holds six modems in a 19" rack.

See <https://www.luxcom.com/product/mounting-panel-mp5/>

Contact

Luxcom Technologies Inc.
102 Walgreen Road
Ottawa, Ontario, Canada. K0A 1L0
613-831-7777
email: sales@luxcom.com