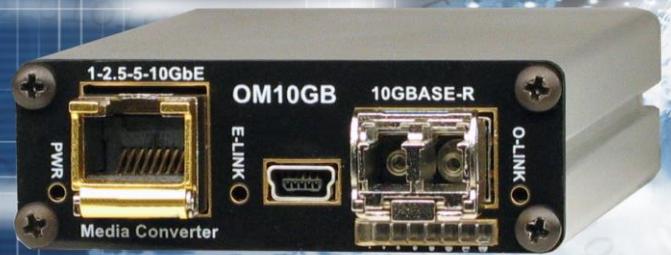


# OM10GB

## 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, <b>OM10GB-30</b> .....	1/2.5/5/10GBASE-T
Date rates, <b>OM10GB-80</b> .....	10GBASE-T
Data cable length max. at 1G, <b>OM10GB-30</b> .....	100 meters
Data cable length max. at 10G, <b>OM10GB-30</b> .....	30 meters
Data cable length max. at 10G, <b>OM10GB-80</b> .....	80 meters
Power input to modem .....	8 to 30 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:

<b>OM10GB-30</b>	with power supply
<b>OM10GB-30x</b>	without power supply
<b>OM10GB-80</b>	with power supply
<b>OM10GB-80x</b>	without 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

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