OM4-POEbt

Industrial Ethernet Switch

Two 10/100/1000BASE-T ports
Two 100/1000BASE-X optical ports
Power over Ethernet

Applications

IP cameras
IP phones
Wireless access points
Daisy chain topologies

Description

- Industrial hardened Ethernet switch
- Two 10/100/1000BASE-T electrical ports
- Two 100BASE-FX or 1000BASE-X selectable optical SFP ports
- SFP modules support a variety of distance, wavelengths, optical speeds, fiber types.
- LED bar graph shows received optical power making it easy monitor fiber problems.
- OM4-POE is IEEE 802.3at compatible. OM4-POEbt is IEEE 802.3bt compatible.
- OM4-POEbt delivers up to 90 Watts/port. Total power is limited by power supply.
- USB console interface displays status and configuration options.
- Compact rugged metal enclosure for low radiated and conducted emissions.
- Rugged, waterproof external power supply is rated to 70C.
- Surge protection on RJ45 outputs gives added lightning protection.
- Can be DIN rail, wall mounted, or 19” rack mounted with optional hardware.
- For non-PoE applications consider Luxcom’s OM1002J.

Features

- POE, POE+, POE++
- Distances up to 100 km
- Surge protection on RJ45s
- Industrial temperature range
- Single or multimode fibers
- Receive optical power meters
- 5 Year warranty
- Plug and play or managed
- Dual media converter mode
- Unidirectional data and port monitoring
- VLAN based port segregation mode
- Link-Pass-Through for link failure monitoring
- Optics can be trunked for greater throughput
- Jumbo packet support

Management Interface

The out of band USB management interface may be used to monitor and configure Ethernet, POE, and SFP interfaces. The OM4-POE is shipped as a standard Ethernet switch with PoE enabled so it can be plug and play, or it may manually configured with a variety of options.

Specifications[1]

Optical

Multimode, singlemode, duplex fiber, and single fiber SFPs are available.
See 100BASE or 1000BASE optics at **https://www.luxcom.com/product/sfp/**
Optical output..... 100/1000BASE-X

Electrical

Power consumption (modem only) ..... 4 Watts
Operating temperature ..... -30°C to 70°C
Dimensions ..... 11 x 2.4 x 8 cm

Ordering Information Modem, Power Supply, and Optics are separate order items.

Modem part number:

OM4-POE for PoE up to 30W/port (Type-1,2)
OM4-POEbt for PoE up to 90W/port (Type-1,2,3,4)

Power supply part number:

Choose a power supply from **https://www.luxcom.com/product/poe-power-supplies/**

SFP optics part number:

Choose a 100BASE or 1000BASE SFP from **https://www.luxcom.com/product/sfp/**

Accessories part numbers:

DIN-CLIP-1 allows OM4-POE to be snapped to 35mm or G-type DIN rail.
MP05 holds up to three OM4-PoEs, and takes 1U space in a 19" rack.
MB05 The Mounting Base is screwed to a flat surface and holds one OM4-POE
More information on these accessories can be found at www.luxcom.com