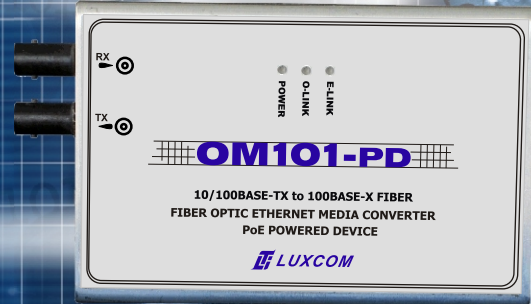


OM 101PD

Fiber Optic Ethernet Media Converter
10/100BASE-TX to 100BASE-X Fiber

Applications

- Secure data environments
- Noisy RFI environments - factory floor
- Connection to PoE switches and routers



Description

The OM101PD media converter connects a 10/100BASE-TX device to a 100BASE-X fiber device. It can be powered through the RJ-45 twisted-pair port or with an external 48 Volt power cube. It is intended for use with switches and routers that source 48 Volt power.

The RJ-45 twisted-pair port operates at 10 and 100 Mbps, full and half-duplex. The 100BASE-X optical port operates at 100 Mbps full-duplex. Optics are available for multimode, singlemode and single fiber applications with SC connectors. The FX and LX versions are also available with ST connectors.

Features:

- | | |
|--|--|
| 802.3af Power over Ethernet compatible | 5 year warranty |
| Auto or manual configuration | No power cube needed |
| Auto MDI/MDI-X crossover | Wide temperature range (-40 to 75 °C) |
| Low EMI | Extended distance (40 and 60 km) options |
| Auto MDI/MDI-X crossover | OAM TS-1000 option |

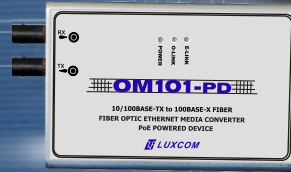
Specifications

Optical

Light source multimode fiber, FX version	1310 nm LED
singlemode fiber, LX version	1310 nm Laser
singlemode fiber, BU version	1310 nm Laser
singlemode fiber, BD version	1550 nm Laser
Optical output 62.5/125 µm fiber, FX version	> -19 dBm
9/125 µm fiber, LX version	> -15 dBm
Optical sensitivity 10 ⁻¹⁰ BER, FX version	< -32 dBm
10 ⁻¹⁰ BER, LX version	< -31 dBm
Optical range 62.5/125 µm fiber, FX version	2 km typ.
9/125 µm fiber, LX version	15 km typ.
9/125 µm fiber, BD and BU versions	20 km typ.
Optical connectors	SC or ST

OM101PD

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Specifications (continued)

Electrical

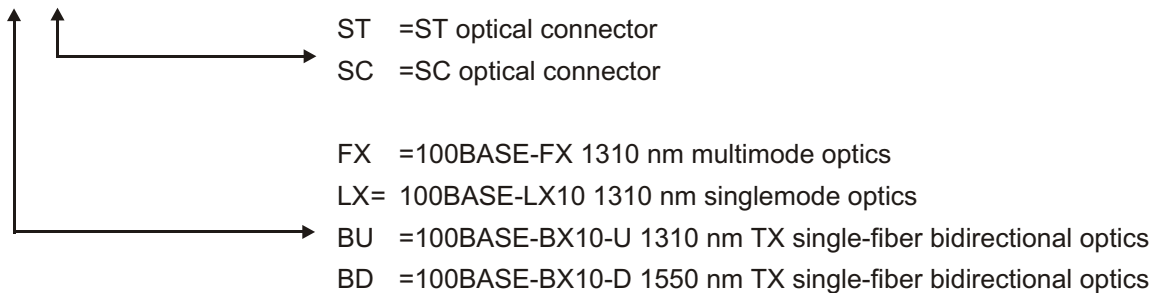
Data I/O levels	IEEE 802.3 compatible
Data I/O connector	RJ-45
Supply voltage	44-57V DC
Power consumption	2.2 Watts

General

Operating temperature.....	-40 °C to 75°C
Humidity (RH)	10% to 95%
MTBF	> 50,000 hours
Dimensions	6.5 x 1.8 x 10 cm

Part Numbers

OM101PD- XX-XX*



* Call or email for information on TS-1000, extended distance and temperature configurations

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