

**OSD2151 10/100/1000BaseT ETHERNET
MEDIA CONVERTER**

APPLICATIONS

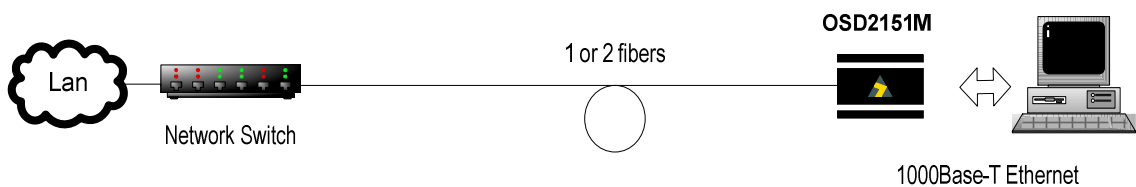
- ▲ Any network utilising a mix of copper and fiber
- ▲ Industrial IP communications
- ▲ Gigabit backbone networks



FEATURES AND BENEFITS

- ▲ Complies with IEEE802.3i/802.3u/802.3ab 10/100/1000Base-T, IEEE802.3z 1000Base-Lx/Sx standards.
- ▲ Supports network traffic of 100Mbps or 1000Mbps.
- ▲ Has one fixed 10/100/1000BaseT copper port and one SFP port which can be 10/100/1000BaseT, 100Base-Fx or 1000BaseLx/Sx.
- ▲ Automatic TP setup: no need for crossover cables.
- ▲ Can be used with either singlemode or multimode fiber over a variety of link budgets.
- ▲ Available for operation over 1 or 2 fibers.
- ▲ Powered by non-critical 12VDC supplies.
- ▲ Operates over the temperature range of -20 to +75°C
- ▲ Advanced features like Link Loss Forwarding to detect the link status of link partners either on the fiber and/or copper port
- ▲ SFP module sold separately.

TYPICAL SYSTEM DESIGN



ORDERING INFORMATION

OSD2151	Singlemode or multimode 10/100/1000Base –T to 100Base-Fx/1000Base-Lx/Sx Media Converter in card format
Option M	Module format
Option DP	Dual Power inputs
OSD2151R2	Dual OSD2151 card
SFP Module	See OSD SFP datasheet #102100002



SPECIFICATIONS

ELECTRICAL

Electrical Data Interface	IEEE802.3i/802.3u/802.3ab, 10/100/1000Base-T Ethernet
Electrical Data Rate	10, 100, 1000Mbps with energy detect, auto negotiate, auto MDIX
Optical Data Interface	IEEE802.3z 1000Base-Lx/Sx
Optical Data Rate	100Mbps or 1000Mbps
Operating Mode	Half or full duplex for 10/100 Full duplex for 1000 Pause frames for 1000Mbps flow control
Electrical Data Connector	RJ45

OPTICAL

Optical Port Connector	SFP
SFP Options	Short haul, long haul, single fiber operation, etc. Please consult OSD datasheet #102100002 or contact OSD

PHYSICAL

Operating Temperature Range	-20 to +75°C
Relative Humidity	0 to 95% non-condensing
Power Requirements	+8V to 35V DC or 20 to 28V AC @ 3VA
Power Connector	2 way terminal block for OSD2151M 4 way terminal block for OSD2151M.DP
Indicators	Power Copper link, blink indicates activity Fiber Rx – Link/No Link
Dimensions of Module (mm)	60W x 94D x 26H
Weight of Module (kg)	0.3
Dimensions of Card (mm)	25W x 169D x 100H
Weight of Card (kg)	0.2
Chassis Current Consumption (CCC)	0.25 Amp for OSD2151 0.50 Amp for OSD2151R2