

OSD2141AM GIGABIT ETHERNET MEDIA CONVERTER



APPLICATIONS

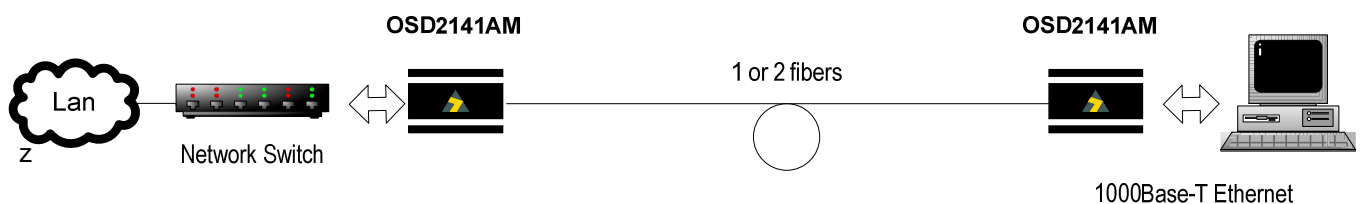
- ▲ Any network utilising a mix of copper and fiber
- ▲ Industrial IP communications
- ▲ Gigabit backbone networks



FEATURES AND BENEFITS

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

TYPICAL SYSTEM DESIGN



ORDERING INFORMATION

OSD2141AM Singlemode or multimode 1000Base –T to 1000Base-Lx Media Converter in standalone module format  
SFP Module See OSD SFP datasheet #102100002



# SPECIFICATIONS

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## ELECTRICAL

Electrical Data Interface	IEEE802.3ab Base-T Ethernet
Electrical Data Rate	1000Mbps
Optical Data Interface	IEEE802.3z 1000Base-Lx
Optical Data Rate	1000Mbps
Operating Mode	Pause frames for 1000Mbps flow control
Electrical Data Connector	RJ45
User Controls	Three externally accessible switches to control: Auto-Negotiation Enable/Disable to work either as single unit or as a pair Link Loss Forwarding Enable/Disable Fault Detection on Fiber port or RJ45 Port / both

## 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
Indicators	Power Copper link, blink indicates activity Auto-Negotiation Enabled/Disabled LLF Enabled/Disabled Fiber Rx – Link/No Link
Dimensions of Module (mm)	60W x 94D x 26H
Weight of Module (kg)	0.3
Chassis Current Consumption (CCC)	0.3 Amp