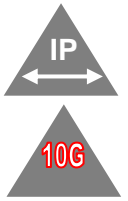


**OSD2801 10GbE ETHERNET MEDIA
CONVERTER MODULE WITH COMBO PORT**

APPLICATIONS

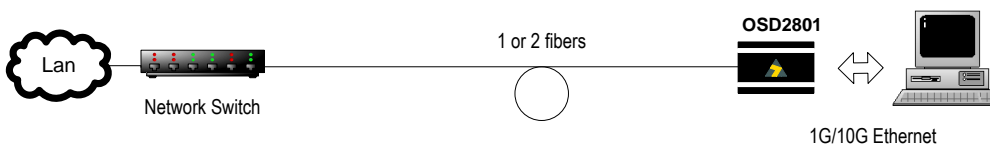
- ▲ Networks based on both copper and multimode/singlemode fiber infrastructure
- ▲ Industrial IP communications
- ▲ Secure, noise immune extensions of 10G data center networks



FEATURES AND BENEFITS

- | | |
|---|---|
| <ul style="list-style-type: none"> ▲ Complies with IEEE802.3an/802.3ae/802.3az 1000Base-T, 10GBase-T/10GBase-SR, 10GBase-LR, 10GBase-LRM, 10GBase-ER, 10GBase-ZR ▲ Supports network traffic of 10Gbps. ▲ Has one 10G SFP port and one combo port comprised of a 10G SFP and a 10G RJ45 copper port (SFP port takes priority) ▲ Can operate as a copper to fiber media converter or as a singlemode to multimode converter ▲ Automatic TP setup: no need for crossover cables. ▲ Supports 10KB jumbo frames | <ul style="list-style-type: none"> ▲ Operates over the temperature range of -20 to +70°C ▲ Operates from non-critical 10 to 36VDC power supplies ▲ Advanced features like Link Loss Forwarding to detect the link status of link partners either on the fiber and/or copper port ▲ Supports 3R Optical Signal Regeneration (Re-amplify, Re-shape, and Re-time) ▲ Ethernet Pause frames can be discarded ▲ User selectable auto-negotiation ▲ Surface or DIN rail mounting ▲ SFP module(s) sold separately |
|---|---|

TYPICAL SYSTEM DESIGN



ORDERING INFORMATION

OSD2801M 10GBaseT/10G SFP to 10G SFP Media Converter module



SPECIFICATIONS

ELECTRICAL

Electrical Data Interface IEEE802.3an 1000/10GBase-T Ethernet

Electrical Data Rate 10Gbs with energy detect, auto MDIX

Jumbo Frame Support 10KB

Optical Data Interface IEEE802.3ae/802.3az

Optical Data Rate 10Gbps

Electrical Data Connector RJ45

User Controls Two externally accessible switches;
1. Flow control for copper port
2. Link Loss Forwarding Enable/Disable

Combo Port Selection SFP used when plugged in, otherwise RJ45

OPTICAL

Optical Port Connectors Two SFP

SFP Options Short haul, long haul, single fiber operation, etc.
Please consult OSD datasheets #10210GSFP0X (10Gbps) or contact OSD

PHYSICAL

Operating Temperature Range -20 to +70°C

Relative Humidity 0 to 95% non-condensing

Power Requirements 10 to 36VDC @ 8W

Power Connection 2-way 5.08mm terminal block

Isolation >4KV

Indicators Power
Fiber Rx – Link/No Link
Copper link, blink indicates activity

Dimensions of Module(mm) 57W x 95D x 130H

Weight of Module (kg) 0.6