

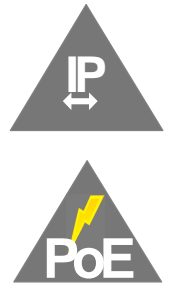
**OSD2388P MANAGED 8-PORT PoE+ 10/100BASE-T + 2-PORT 100BASE SFP AND 2-PORT GIGABIT ETHERNET SWITCH**

**APPLICATIONS**

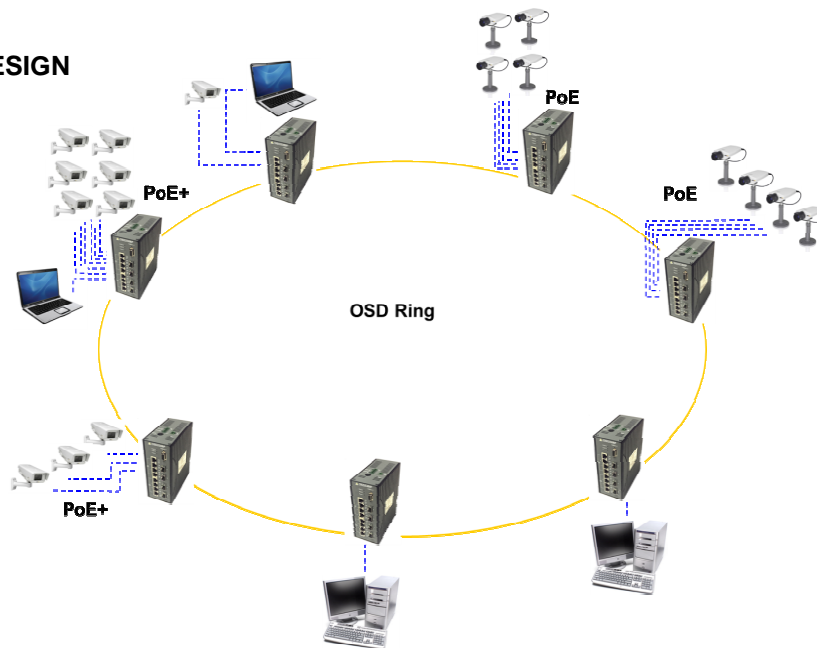
- ▲ Any network utilising a mix of copper and fiber
- ▲ Industrial IP communications
- ▲ Self-healing Gigabit Ethernet backbone networks

**FEATURES AND BENEFITS**

- ▲ Complies with IEEE802.3i/802.3u/802.3ab 10/100/1000Base-T/100Base-Fx, IEEE802.3z 1000Base-LX standards.
- ▲ 4096 MAC addresses
- ▲ Redundant Ring configuration available on any port
- ▲ IEEE802.1p QoS with four priority queues
- ▲ IGMP Snooping V1, V2 and V3.
- ▲ MAC-based trunking with automatic link fail-over
- ▲ RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- ▲ Full wire-speed forwarding rate
- ▲ Supports IEEE802.1x Security
- ▲ Bandwidth Rate Control
- ▲ Per-port programmable MAC address locking
- ▲ Up to 24 Static Secure MAC addresses per port
- ▲ IEEE 802.3af /at PoE capability 8 ports maximum power 15/30W per port
- ▲ 4 ports IEEE802.3at & 4 ports IEEE802.3af
- ▲ Port mirroring
- ▲ Supports NTP
- ▲ SFP modules sold separately
- ▲ 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- ▲ Operates over the temperature range of -40 to +75°C



**TYPICAL APPLICATION DESIGN**



**ORDERING INFORMATION**

OSD2388P SFP Module      Managed 8-Port PoE+ 10/100BaseT + 2-Port 100Base SFP+ 2-Port Gigabit SFP Ethernet Switch  
 See OSD SFP datasheet #102100002



# SPECIFICATIONS

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## ELECTRICAL

Electrical Data Interface	IEEE802.3i, 802.3u, 802.3ab, Base-T Ethernet at 10 or 100Mbps
Electrical Data Connector	RJ45 on the fixed copper ports
PoE	47 to 57V
Operating Modes	Alternative A (Pins 1/2 and 3/6) And Alternative B (Pins 4/5 and 7/8)
Configuration Connector	DB9
Optical Data Interface	IEEE802.3z 1000Base-Lx, 1000Base-Sx, 100Base-Fx
Optical Connector	LC or SC for SFP modules
SFP Port Options	1000Base-Lx, 1000Base-Sx, 100Base-Fx
Operating Mode	Half or full duplex for 10/100 Full duplex for 1000 Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control

## OPTICAL (Typical)

Transmitter Wavelength	1310 $\pm$ 30nm
Transmit Optical Power	-10 to -4dBm (-5 and +2dBm @ 1310 and 1550nm are optional)
Receiver Sensitivity	<-21dBm
Standard Optical Link Budget	>11dB: >800m on multimode fiber @ 1310nm (Fiber bandwidth limited) >20km on singlemode fiber @ 1310nm >40km on singlemode fiber @ 1550nm
Optional Optical Link Budget	>23dB: >100km on singlemode with optional 1550nm devices

See OSD SFP datasheet #102100002 for full details on available optical SFP modules

## INDICATORS

1 x	Power
8 x	10/100Base-T, Link/ Activity
8 x	10/100Base-T: Speed
8 x	10/100Base-T: PoE
2 x	100Base-Fx, Link/ Activity
2 x	1000Base-T, 1000Base-Sx, 1000Base-Lx: Link/ Activity

## PHYSICAL

Operating Temperature Range	-40°C to +75°C
Relative Humidity	5 to 95% non-condensing
Power Requirements	47-57VDC (nominal) @ 15VA Max (without PoE)
PoE Power Budget	181.6W maximum
Dimensions of Module (mm)	60W x 125D x 145H
Weight (kg)	1.7
Mounting	DIN-Rail (35mm top hat), Wall Mount

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