

**OSD2380 MANAGED 8-PORT 10/100BASE-T AND 2-PORT GIGABIT ETHERNET SWITCH**



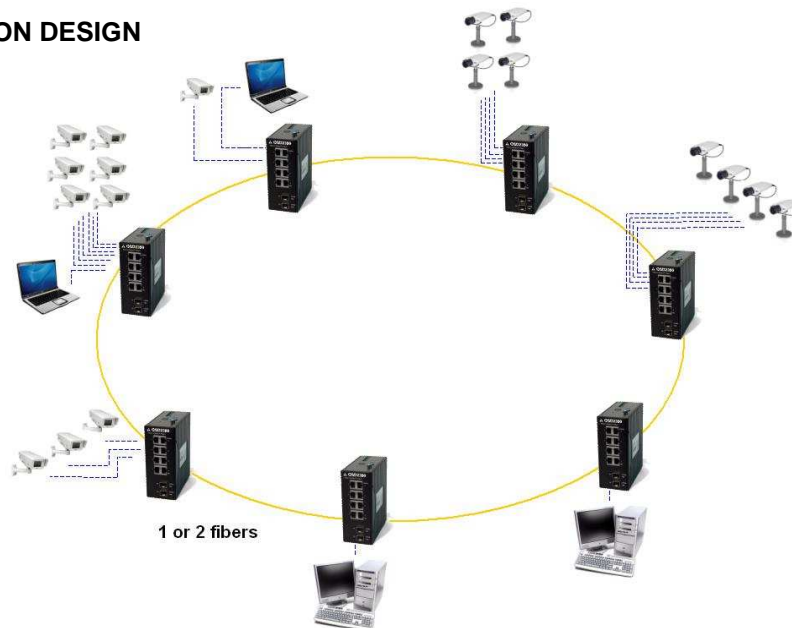
**APPLICATIONS**

- ▲ 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 10/100Base-T, IEEE802.3z 1000Base-LX standards.
- ▲ Supports RSTP/MSTP/STP for Ethernet redundancy IP Multicast Filtering through IGMP Snooping V1, V2 & V3
- ▲ Supports port-based VLAN and IEEE802.1Q VLAN Tagging and GVRP
- ▲ IEEE802.1p QoS with four priority queues
- ▲ 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
- ▲ Port mirroring
- ▲ Supports NTP
- ▲ SFP module 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**

OSD2380	Managed 8-Port 10/100BaseT + 2-Port Gigabit SFP Ethernet Switch
OSD2380GF	Managed 8-Port 10/100BaseT + 2-Port 10/100/1000BaseT Gigabit Ethernet Switch
SFP Module	See OSD SFP datasheet #102100002



## SPECIFICATIONS

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Electrical Data Interface	IEEE802.3i, 802.3u, Base-T Ethernet at 10 or 100Mbps
Electrical Data Connector	RJ45 on the fixed copper ports
Configuration Connector	DB9
Optical Data Interface	IEEE802.3z 1000Base-Lx, 1000Base-Sx
Optical Connector	LC or SC for SFP modules
SFP Port Options	1000Base-Lx, 1000Base-Sx or 1000Base-T
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
Transmitter Wavelength	1310 ± 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 and copper SFP modules

### INDICATORS

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

### PHYSICAL

Operating Temperature Range	-40°C to +75°C
Relative Humidity	5 to 95% non-condensing
Power Requirements	12 – 48VDC (nominal) @ 11VA Max
Dimensions of Module (mm)	60W x 125D x 145H
Weight (kg)	6.2
Mounting	DIN-Rail (35mm top hat), Wall Mount