

**OSD2890 L2/3 MANAGED 24 x 10/100/1000BASE-T & 4 x 10G SFP ETHERNET SWITCH**

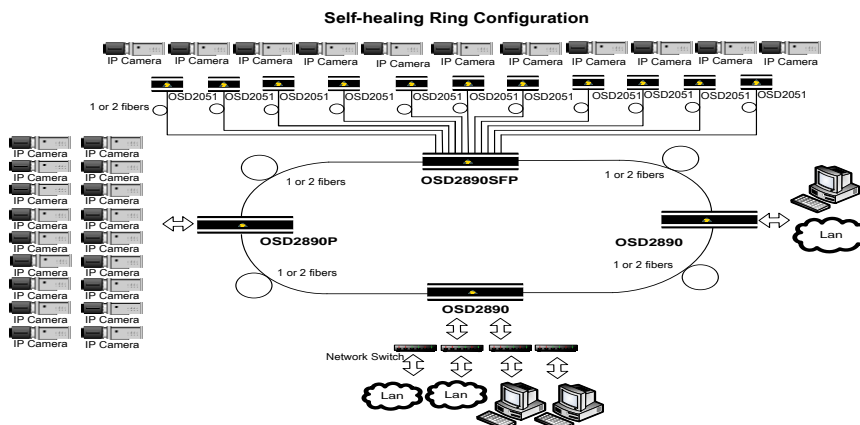


**APPLICATIONS**

- ▲ Any network utilising a mix of copper and fiber
- ▲ Industrial IP communications
- ▲ Self-healing Gigabit Ethernet backbone networks
- ▲ Four 10G SFP trunk/uplink ports

**FEATURES AND BENEFITS**

- ▲ Complies with IEEE802.3I/802.3u/802.1ab 10/100/1000Base-T, IEEE802.3z 1000Base-LX, IEEE802.3ae 10GBaseXX standards
- ▲ Supports RSTP/STP/ ITU-TG.8032 Ethernet Ring Protection Switching for Ethernet redundancy Supports Loop Protection
- ▲ IP Multicast Filtering through IGMP Snooping V2
- ▲ Supports port-based VLAN and Private VLAN
- ▲ QoS with eight priority levels
- ▲ Virtual USB console, Telnet, SNMP V1, V2c & V3 and Web Browser
- ▲ Full wire-speed forwarding rate
- ▲ Supports IEEE802.1x Security
- ▲ IEEE802.3ab Link Layer Discovery Protocol
- ▲ Static and LACP link Aggregation
- ▲ Port speed control and Port mirroring
- ▲ 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- ▲ Operates over the temperature range of -20 to +60°C
- ▲ Redundant DC powering and optional redundant AC powering
- ▲ Optional IEEE 802.3af/at PoE (OSD2890P)
- ▲ System log and remote firmware upgrading
- ▲ Intelligent thermal protection
- ▲ L3 compliant switch, including functions like: Universal Plug and Play (UPnP), IPv4/IPv6 L3 static routing, RFC2328 OSPFv2 dynamic routing, RFC-1812 L3 checking (version, IHL, checksum), etc.



**ORDERING INFORMATION**

OSD2890DC	Managed 24-Port 10/100/1000Base-T + 4-Port 10G SFP Switch, Dual DC power
OSD2890AC	Managed 24-Port 10/100/1000Base-T + 4-Port 10G SFP Switch, AC power
OSD2890DAC	Managed 24-Port 10/100/1000Base-T + 4-Port 10G SFP Switch, Dual AC power
OSD2890P	Managed 24-Port PoE+ 10/100/1000Base-T + 4-Port 10G SFP Switch
SFP Modules	See OSD SFP datasheets #102100XX, #1021000X and #10210G00X for 100M, for 1G and 10G



# SPECIFICATIONS

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## ELECTRICAL

Electrical Data Interface	IEEE802.3i/802.3u/802.3ab, 10/100/1000Base-T Ethernet
Electrical Data Connector	RJ45 on the fixed copper ports for OSD2890 and OSD2890P
OSD2890P PoE	IEEE802.3af: 47 to 55VDC @ 0.35Amp maximum IEEE802.3at: 47 to 55VDC @ 0.7Amp maximum
Configuration Connector	Mini USB console port
Alarms	Four: two for Power Supply status two user definable via the GUI as specified in the User Manual
Alarm Interface	Four opto-isolated relay drivers via two 4-way 3.5mm terminal blocks
Control	System reset

## OPTICAL

Optical Connector	Dual LC on 2-fiber SFP modules or SC on 1-fiber SFP modules
Trunk/Uplink Ports Optical Interface *	IEEE802.3ae for 10GBASE-SR (MM: 300m), 10GBASE-LR (SM: 10km), 10GBASE_ER (SM: 40km), 10GBASE_ZR (SM: 80km), IEEE802.3z 1000Base-Lx/Sx
Operating Mode	Half or full duplex for 10/100 Full duplex for 1G and 10G Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control

\* See OSD SFP datasheet #10210000X and 10210G00X for full details on available optical SFP modules

## INDICATORS

	<b>OSD2890</b>		<b>OSD2890P</b>
1 x	Power	1 x	Power
24 x	10/100/1000Base-T: Link/ Activity	24 x	10/100/1000Base-T: Link/ Activity
24 x	10/100/1000Base-T: Speed	24 x	10/100/1000Base-T: Speed
4 x	10G: Link/ Activity/Speed	4 x	10G: Link/ Activity/Speed
		24 x	10/100/1000Base-T: PoE

## PHYSICAL

Operating Temperature Range	-20°C to +60°C
Relative Humidity	5 to 95% non-condensing
OSD2890DC Power Requirements	10 - 36VDC @ 45VA Max via one 4-way 5.08mm terminal block
OSD2890AC Power Requirements	90 - 264VAC @ 50VA Max via integrated IEC power inlet module
OSD2890DAC Power Requirements	90 - 264VAC @ 55VA Max via two integrated IEC power inlet modules
OSD2890P Power Requirements	47-57VDC @ 50VA Max (without PoE) and @700VA Max (with PoE) via one 4-way 5.08mm terminal block
OSD2890P PoE Power Budget	600W maximum
Dimensions of Module (mm)	440W x 300D x 44H
Weight OSD2890	4.9kg
Weight OSD2890P	5.1kg

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