



## Layer 2 Managed Industrial Ethernet Switches

Proudly designed and manufactured in Australia, Optical Systems Design provides a range of highly reliable Layer 2 Managed Industrial Ethernet Switches for use in critical and harsh environments. Gigabit Ethernet is supported in both DIN Rail and Desktop/rack mount formats whilst 10Gb switches are in a desktop/rack mount enclosure. Optional Power over Ethernet compliant to IEEE802.3bt supporting up to 90W per channel is available along with support for legacy and non standard PoE protocols via the internal GUI.

All OSD L2 Managed switches provide a comprehensive suite of Layer 2 management features enabling granular control and optimisation of your network environment. From VLAN support to Spanning Tree Protocol (STP) and Link Aggregation (LACP), OSD switches allow streamlined network operations and enhanced efficiency.

Safeguard your network integrity with advanced security protocols designed to thwart potential threats and unauthorized access. With features such as Access Control Lists (ACLs), Port Security, and Secure Shell (SSH) encryption, OSD Industrial Ethernet Switches provide a multi-layered defence mechanism against malicious activity.

### Key Features:

- Range of options to support both 10 Gigabit and 1 Gigabit networks
- Optional IEEE802.3bt compliant PoE, delivering up to 90W per port
- Designed and manufactured in Australia
- Built to withstand harsh and critical environments for rugged reliability
- Layer 2 management features including VLANs, STP, and LACP
- Advanced security protocols for enhanced network protection
- Scalable architecture to accommodate future expansion needs

Elevate your network infrastructure with our Industrial Ethernet Switch, where performance, reliability, and security converge to provide peace of mind connectivity.










Contact OSD for more information:

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DESIGN

# Layer 2 Managed Industrial Ethernet Switch Specifications



Product Range									
10/100/1000 Base-T RJ45 ports	4	8	12	24	24	12	24	-	-
1Gb Optical port	SFP x 3	SFP x 3	SFP x 2	SFP x 6	SFP x 4	-	-	SFP x 28	SFP x 24
10Gb Optical port	-	-	-	-	-	SFP+ x 4	SFP+ x 4	-	SFP+ x 4
Combo Ports	4 x RJ45/SFP ports (optional)	-	-	4 x RJ45/SFP ports	-	-	-	-	-
Power Input	10-36VDC (no PoE) 46-57VDC or 12-57VDC (PoE)		10-36VDC or 100-264VAC (non PoE) or 46-57VDC (PoE) Dual Input power option						
Module Mounting	DIN / Wall 19" Rack Mount / Desktop								
Jumbo Frames	10, 24KB								
POE (optional)	4 ports	8 ports	12 ports	24 ports	24 ports	12 ports	24 ports	-	-
POE Classification	IEEE802.3af/at, IEEE802.3bt, PoH, Hi-POE, legacy POE (max 90W/port)		IEEE802.3af/at, IEEE802.3bt (8 ports), PoH, Hi-POE, Legacy POE (max 90W/port)						
POE Power Budget	360W	480W	720W						
Management Features	CLI, Web GUI, SNMP v1, v2c, v3 ITU-TG8032 ERPS, MSTP/RSTP/STP								
Redundant Ring	IEEE802.1Q VLAN, Private VLAN, Voice VLAN, Protocol based VLAN, GVRP, MVRP, MRP								
VLAN	IEEE802.1Q VLAN, Private VLAN, Voice VLAN, Protocol based VLAN, GVRP, MVRP, MRP								
Security	IEEE802.1x Port Access Authentication, MAC based authentication, ACLs, DHCP snooping, BPDU Guard, RADIUS, TACACS+, SSL, SSH, HTTPS, SSV3, Port Mirroring, sflow, Dynamic ARP Inspection, IP source guard, UDLD/equivalent, RMON								
QoS	Traffic Classes, Port policers, Port egress shaper, QoS Control List, DiffServ, Scheduler priority, Storm Control								
Multicast Protocol	RFC 2236 IGMP snooping v2, v3, MLD snooping v1, v2								
Layer 3 Routing	IPv4/IPv6 static routing IP30								
IP rating	IP30								
Operating Temperature	-40 to 75°C		-20 to 70°C						
Ambient Relative Humidity	5 to 95% (non-condensing)								
Warranty	5 years								

Contact OSD or your local distributor for detailed product datasheet, pricing and availability

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