

VERDELON

Industrial L2+ Managed 8 Port PoE+ Switch

IS-MG-0802-0008

Product Description

The Industrial L2+ Managed 8 Port PoE+ Switch offers robust networking capabilities paired with advanced L2+ management features, making it a reliable solution for demanding industrial environments. With 8x 10/100/1000Base-T PoE+ ports and 2x 1G SFP slots, this switch delivers dependable connectivity, designed to withstand the demands of industrial settings where consistent performance and durability are critical. To simplify management, the switch includes a USB-C port for console management.



Ports Interface

RJ45	8x 10/100/1000Base-T RJ45 PoE+ ports w/ auto negotiation & auto MDI / MDI-X
SFP	2x 100/1000Base-X SFP ports
USB-C	1x USB-C

Ethernet Standards

IEEE 802.3
IEEE 802.3u
IEEE 802.3ab
IEEE 802.3z
IEEE 802.3ae
IEEE 802.3p
IEEE 802.1d
PoE IEEE802.3af
PoE+ IEEE802.3at

Indicators

PWR	Power status
Ethernet	Link/Activity per port
PoE	PoE status
Fiber Ports (F9-F10)	SFP port status

Technical Specifications

Forward and Filtering Rate	14,880pps (10Mbps) / 148,800pps (100Mbps) / 1,488,000pps (1000Mbps) / 1,488,000,000pps (10000Mbps)
Packet Buffer Memory	12M bits
Maximum Packet Length	9K bytes - jumbo frame
Backplane Bandwidth	110Gbps
Address Table	8K MAC addresses
Processing Type	Store and forward

Software

Management	Web management Easy management w/ built in USB-C port IPv4/IPv6 Management Static Route CLI WEB SNMPv1/v2/v3 EEE LLDP DHCP Server/Client (IPv4/IPv6) Cloud/MQTT
PoE-Based Management	Total power limit of PoE power supply PoE output power allocation PoE output priority configuration PoE operation scheduling
Redundancy	STP support RSTP MSTP ERPSv2 Link Aggregation
Maintenance	Port mirroring, Syslog, Ping
Multicast	IGMP snooping V1/V2/V3 GMRP GVMP 802.1Q
VLAN	IEEE 802.1Q 4K VLAN QINQ Double VLAN
QoS	Flow-based redirection Flow-based rate limiting Flow-based packet filtering 8 output queues per port port 802.1p/DSCP priority mapping Diff-Serv QoS Priority Mark/Remark Queue Scheduling Algorithm (SP, WRR, SP+WRR)
ACL	Port-based Issuing ACL ACL based on port and VLAN L2 to L4 packet filtering (matching the first 80 bytes message) ACL based on MAC Destination MAC address IP Source Destination IP IP Protocol Type TCP/UDP Port TCP/UDP Port Range
Security	Broadcast Storm Protection HTTPS/SSLv3, AAA & RADIUS, SSH2.0 DHCP Snooping 802.1X security access User hierarchical management ACL access control list DDOS Port-based MAC filtering / binding, MAC black holes IP source protection Port isolation ARP message speed limit 1-way relay alarm output, RMON, TRAP



DIP Switch

1	VLAN
2	Ring Management
3	250m PoE network
4	PoE reset

Power

Power Input	48-57VDC
Redundancy	Redundant power w/ 6-pin terminal block
Power Input Overload	Automatic
Reverse Polarity	Included
Self Consumption	8W
Maximum Load Per Port	30W
Total PoE Budget	240W

Environmental Standards

Rating	IP40
Storage Temperature	-40°C to 85°C
Operating Temperature	-40°C to 80°C
Humidity Tolerance	5% to 95%

Physical Properties

Weight	650g
Case Material	Aluminum
Dimensions (H x D x W)	150mm x 120mm x 50mm
Mounting	Optional DIN-Rail mount included Optional wall mount included

Any questions?

Visit our website at:
www.verdelon.com

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