SWG 8P-2SFP - 334402

Industrial L2+ PoE Ethernet switch, 8 10/100/1000T 802.3at ports + 2 1000X SFP ports.

DESCRIPTION

Industrial L2+ PoE Ethernet switch, 8 10/100/1000T 802.3at ports + 2 1000X SFP ports. Power supply not included.

KEY STRENGTHS

- Support 8x10/100/1000Base-T + 2x1000Base-X SFP
- 10/100/1000Mbps RJ45 Port supports Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- IEEE802.3af/at compliant
- DIP Switch supports one-key VLAN, one-key Ring Management, PoE Reset and 250m PoE Network
- Support connecting USB-C port for easy management, without the need to access the RS232 serial port at all
- 9K Bytes Jumbo Frame
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- IP40 Aluminum Case
- Supports DIN-Rail installation
- -40°C to 80°C (-40°F to 176°F) operating temperature

Updated on: 4 December 2025

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SPECIFICATIONS

REFERENCE	SWG 8P-2SFP
Code	334402
ETHERNET	
Standards:	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/FX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3ae 10GBase-R IEEE802.3p QoS IEEE802.1d Spanning Tree
Forward & Filtering Rate:	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps) 1,488,000,000pps (10000Mbps)
Packet Buffer Memory:	12M bits
Processing Type:	Store-and-Forward
Backplane bandwidth	110Gbps
Max Packet Length:	9K Bytes Jumbo Frame
Address Table Size:	8K MAC Addresses
INTERFACE	
Connector:	8 x RJ45
RS485:	1 x RS485 (Optional)
Optical Port:	2 x 1000Base-X SFP
USB-C:	1 x USB-C (for Management)
RS485 SERIAL INTERFACE (OPTIONAL)	
Physical interface	Industrial standard 3-pin screw terminal
Data type	1Ch RS485 Bi-Direction
RS-485 signals	Data +, Data-, GND
Serial port line distance (copper)	1000 meters
Baud rate	0 ~ 800kbps

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PoE (POWER OVER ETHERNET)	
Standard:	IEEE 802.3at Power over Ethernet Plus IEEE 802.3af Power over Ethernet
Port:	RJ45
Power Pin Assignment	4/5(+), 7/8(-)
PoE Budget:	Up to 240-watt PoE budget
ENVIRONMENTAL	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs
ELECTRICAL AND MECHANICAL	
Input Power:	48~57VDC, Redundant Power (6-pin Terminal Block)
Power Consumption:	8W Max.(PoE in Use<240W)
PROTECTION:	
Power Input Overload:	Automatic Resettable
Reverse Polarity:	Present

DIP SWITCH

4-digit DIP switch function

DIP	FUNCTION	SETTINGS	
SW 1	VLAN	ON - Enabled	OFF - Disabled
SW 2	Ring Manage-ment	ON - Enabled	OFF - Disabled
SW 3 (to be upgraded)	250m PoE Network	ON - Enabled	OFF - Disabled
SW 4 (to be up-graded)	PoE Reset	ON - Enabled	OFF - Disabled

LED INDICATORS:	
PWR:	Power Status
Ethernet (Per Port):	Link/Activity
PoE:	PoE Status
Fiber:	Gigabit SFP Port: F9~F10
Dimensions (WxDxH):	149 x 114 x 50 mm
Weight:	0.55Kg
Casing:	Aluminum Case
Mounting Options:	DIN-Rail mount

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SOFTWARE FEATURES

Redundancy Protocols	Support STP/RSTP/MSTP/ERPSv2, Link Aggregation
Multicast Support	Support IGMP Snooping V1/V2/V3 support GMRP, GVMP,802.1Q
VLAN	Support IEEE 802.1Q 4K VLAN support QINQ, Double VLAN,
Time Management	SNTP
QOS	Flow-based redirection Flow-based rate limiting Flow-based packet filtering 8*Output queues of each 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 first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc
PoE Management	Total power limit of PoE power supply PoE output power allocation PoE output priority configuration PoE working status Scheduling of PoE operation
Diagnostic Maintenance	Support port mirroring, Syslog, Ping
Management Function	Support CLI, WEB, SNMPv1/v2/v3, Telnet server for management, EEE, LLDP, DHCP Server/Client (IPv4/IPv6), Cloud/MQTT
Alarm Management	Support 1 way relay alarm output, RMON, TRAP
Security	Broadcast Storm Protection, HTTPS/SSLv3, AAA & RADIUS, SSH2.0 Support DHCP Snooping, Option 82, 802.1X security access, Support user hierarchical management, ACL access control list, Support DDOS, port-based MAC filtering / binding, MAC black holes, IP source protection, Port isolation, ARP message speed limit
Advance Layer 2+ Features	IPv4/IPv6 Management Static Route

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