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SWG 8-2SFP - 334401

L2+ industrial Ethernet switch, 8 10/100/1000T ports + 2 1000X SFP ports, standalone

DESCRIPTION

L2+ industrial Ethernet switch, 8 10/100/1000T ports + 2 1000X SFP ports, standalone. 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
- 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

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SPECIFICATIONS

REFERENCE	SWG 8-2SFP
Code	334401
ETHERNET	
Standards:	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/FX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3p QoS IEEE802.1d Spanning Tree
Forward & Filtering Rate:	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)
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
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

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ELECTRICAL AND MECHANICAL	
Input Power:	12~48VDC, Redundant Power (6-pin Terminal Block)
Power Consumption:	8W Max
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 Management	ON - Enabled	OFF - Disabled
SW 3	Reserved	ON - Reserved	OFF - Reserved
SW 4	Reserved	ON - Reserved	OFF - Reserved

LED INDICATORS:	
PWR:	Power Status
Ethernet (Per Port):	Link/Activity
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
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)

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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
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

REGULATORY APPROVALS

ISO9001, CE, RoHS, FCC
EN55022:2010+AC: 2011, Class A
EN 61000-3-2: 2006+A1: 2009+A2: 2009
EN 61000-3-3: 2013
EN55024:2010
IEC 61000-4-2: 2008 (ESD)
IEC 61000-4-3: 2010 (RS)
IEC 61000-4-4: 2012 (EFT)
IEC 61000-4-5: 2014 (Surge)
IEC 61000-4-6: 2013 (CS)
IEC 61000-4-8: 2009 (PFMF)

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