SWMD-I-8TGP-2GSF-L25-2D

FULL GIGABIT MANAGED L3-LITE INDUSTRIAL POE SWITCH

FULL GIGABIT

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SELF-HEALING

5ms/50ms

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POE MODEL

30W full-load

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PROTECTION

IP40

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DIN-RAIL

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Description

SWMD-I-8TGP-2GSF-L25-2D, based on a new generation of high-performance hardware and CXR ROS platform of CXR's independent intellectual property rights, supports ACL, QinQ, QoS and static routing. **SWMD-I-8TGP-2GSF-L25-2D** with standard DNI-rail shell provides wide-voltage dual power input. **SWMD-I-8TGP-2GSF-L25-2D** uses highly reliable industrial Ethernet ring network technology. The hardware-based algorithm can ensure that the self-healing time of each node is less than 5 milliseconds, and the self-healing time of the ring network is less than 50 milliseconds (typical value).
The PoE model conforms to the IEEE 802.3af/at standard, and supports 30W full-load power supply, centralized power supply management, and PoE terminal detection.
The reliable industrial design of **SWMD-I-8TGP-2GSF-L25-2D** such as electromagnetic compatibility, anti-vibration and anti-shock capability, and IP40 protection, can be widely used in energy, transportation, industrial production, environmental protection, military industries.

Product Characteristics

Lightning protection level: 6KV.IP40 protection, industrial fanless thermal conduction. DIN-rail aluminum alloy shell, which is compact and convenient.
Conforms to IEEE802.3af/at standard, maximum 30W PoE power of single port. Intelligent standard 48V PoE power supply, and self-negotiation power supply according to terminal type. Supports STP/EAPS/ERPS.
Supports node self-healing time less than 5 milliseconds, and ring network self-healing time less than 50 milliseconds (typical value). Supports forming a self-healing ring network between any two ports, and supports multiple independent self-healing rings.
Provides a data packet loss protection mechanism for quickly recovering from failures. Provides hierarchical bandwidth services through rate limiting and traffic shaping in the layer-2 QoS function.
Supports simple network management protocol (SNMP) and cloud-based operating platform (Pallas).
The mean time between failures exceeds 800,000 hours.

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Features

VLAN	4K Vlan entries GVRP QinQ Private VLAN Voice VLAN
Ring protection	802.1D (STP), 802.1W (RSTP), 802.1S (MSTP) BPDU protection, root protection and ring protection EAPS ERPS (G.8032)
Multicast	MVR IGMP Snooping IGMP Fast Leave Multicast group policy and multicast number limit
IP Routing	Static routing RIP, OSPF 128 routing table
IPV6	ICMPv6, DHCPv6, ACLv6, IPv6 Telnet IPv6 Neighbor Discovery Path MTU Discovery MLD Snooping
DHCP	DHCP Server/Client/Relay DHCP Snooping
ACL	L2/L3/L4 ACL IPv4, IPv6 ACL VLAN ACL
QoS	CAR traffic control 802.1P/DSCP priority remark Multi-queuing algorithms such as SP, WRR or SP-WRR Drop, Redirect Traffic supervision and traffic shaping IP ACL/ANY/VLAN/COS DSCP/IP Preference based QoS
Security features	Identification and filtering of L2/L3/L4-based ACL Defend against DOS or TCP attacks Suppression of broadcast, multicast and unknown unicast packet Port isolation Port security, IP+MAC+port binding DHCP sooping, DHCP option82 IEEE 802.1x authentication Radius and Tacacs+ authentication Command line hierarchical protection
Reliability	Static/LACP LAG UDLD Ethernet OAM ISSU VRRP Backup-link
Management and maintenance	Console, Telnet, SSH 2.0 Zero Touch Provisioning (ZTP) HTTP/HTTPS SNMP v1/v2/v3 Upload and download files through TFTP/FTP Remote Network Monitoring (RMON) Syslog SPAN, RSPAN

Item	SWMD-I-8TGP-2GSF-L25-2D
Gigabit Interface RJ45	8 PoE+
Gigabit Interface SFP	2
Backplane (Gbps)	56
Forwarding rate (Mpps)	15
Chassis Dimensions (W*D*H) (mm)	138*108*44
Chassis Weight (Kg)	0.7
Package Dimensions (W*D*H) (mm)	245*190*60
Package Weight (Kg)	0.9
Power consumption non-load	<12W
Power consumption full-load (with PoE)	260W
Power supply	Dual DC 48-55V (Phoenix) DC 12V Jack (non-PoE)
PoE power budget	240W
Total output BTU (1000BTU/H=293W)	887.37
MTBH (H)	>800.000
Forwarding mode	Store-forward
Flash (MB)	16
DRAM (MB)	128
MAC	8K
Buffer Size (Mb)	4.1
Jumbo frame	9K
Total SVI	10

Ordering Informations

Reference	Description
SWMD-I-8TGP-2GSF-L25-2D	8-Port Gigabit PoE+ 2-Port Gigabit SFP L3-lite Managed PoE Industrial Switch (dual 48~55V DC pheonix PoE power input, 240W PoE budget, single 12V DC jack non-PoE power input; operating temperature: -40~75°C; IP40; DIN-rail installation)

CXR
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