

SWM-I-24TGP-4GSF

RACK-MOUNTED FULL POE GIGABIT MANAGED INDUSTRIAL SWITCH



FULL POE GIGABIT

Up to 24 Gigabit PoE
ports

HIGH PERFORMANCE HARDWARE

EMI/EMC Testing

HARSH INDUSTRIAL ENVIRONMENT

Description

SWM-I-24TGP-4GSF rack-mounted switch, based on next-generation high-performance hardware and CXR ROS software platform, supports rich ACL, QinQ, QoS, and static routing functions. It can support up to 4 Gigabit/Fast Ethernet SFP ports + 24 Gigabit PoE ports. Designed specifically for harsh industrial environments, it provides an economical solution for industrial Ethernet connectivity. It features a redundant dual power input design and is rack-mounted. It is housed in a rugged aluminum alloy enclosure, meets the IP40 protection rating, and has passed high-level EMI/EMC testing. This model undergoes rigorous aging tests to meet the requirements of the security industry.

Characteristics

- Full gigabit ports
- Maximum backplane bandwidth of 68Gbps
- Wide and diverse power supply range and types
- Made with rustproof aluminum alloy casing and hex socket screws
- Supports network management
- All ports support line-rate forwarding and auto MDI/MDIX, capable of long-distance transmission
- Supports one-click restore to factory settings and reboot
- Supports configuration file upload and download
- Supports IEEE 802.3af/at PoE power supply
- Supports 802.1af and 802.1at functions of each PoE port
- Surge protection rating: Power $\pm 4KV$, Ethernet port $\pm 4KV$
- IP40 protection rating
- Fanless design, operates quietly over a wide temperature range
- MTBF (Mean Time Between Failures) $\geq 300,000$ hours

Specifications

Items	SWM-I-24TGP-4GSF
Switching Capacity	68Gbps
Forwarding rate	148.800pps/100M port ; 1.488.000pps/Gigabit port
MAC Address Table	8K
Packet Buffer Size	4.1Mbit
Power input	48~54VDC, dual power input
Operating Temperature	-40~75 °C
Dimensions	440*43.8*200mm
Mac Switching	Static configuration and dynamic learning of MAC address
	Check and clear MAC address
	Configuring of MAC address aging time
	Limit on MAC address learning number
	MAC address filtering function
	IEEE 802.1AE MacSec security control
VLAN	4K VLAN entries
	GVRP
	QinQ
	Private VLAN
Ring protection	voice vlan
	802.1D (STP), 802.1W (RSTP), 802.1S (MSTP)
	BPDU protection, root protection and ring protection
	EAPS
	ERPS
Multicast	IGMP v1/v2/v3
	IGMP Snooping
	IGMP Fast Leave
	Multicast group policy and multicast number limit

Specifications (suite)

Items	SWM-I-24TGP-4GSF
IP Routing	Static routing Rip\ospf\Ripng ICMPv6, DHCPv6, ACLv6, IPv6 Telnet IPv6 Neighbor Discovery
IPv6	Path MTU Discovery MLD v1/v2 MLD Snooping DHCP Relay
DHCP	DHCP Client DHCP Snooping DHCP SERVER L2/L3/L4 ACL
ACL	IPv4, IPv6 ACL VLAN ACL Traffic classification of each field of L2/L3/L4 protocol headers CAR traffic control
QoS	802.1P/DSCP priority remark Multiple queuing algorithms such as SP, WRR or SP+WRR Tail-Drop, WRED Traffic supervision and traffic shaping

Specifications (suite)

Items	SWM-I-24TGP-4GSF
Security features	Identification and filtering of L2/L3/L4-based ACL
	protection against DDoS attacks, TCP SYN Flood attacks, and UDP Flood attacks
	Suppression of broadcast, multicast and unknown unicast packet
	Port isolation
	Port security, IP+MAC+port binding
	DHCP snooping
	Command line hierarchical protection
Reliability	Static/LACP
	UDLD
	Ethernet OAM
Management and maintenance	Console, Telnet, SSH 2.0
	Browser-based WEB management
	SNMP v1/v2/v3
	Upload and download files through TFTP
	RMON Event History Logging

Ordering informations

Item	Description
SWM-I-24TGP-4GSF	4-port Gigabit SFP + 24-port Gigabit RJ45 Managed Rack-mounted Industrial Switch, operating temperature: -40~75 °C, IP40 protection rating, with 48~54VDC redundant dual-input isolated power supply. Includes power cables and mounting brackets.



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