

## SWM-POE-8/4SFP/2SFP+-48V

### 8 Port PoE MANAGED Switch with 4 SFP and 2 SFP+ ports

This is a L2+ managed 8-port 10/100/1000Base-T 802.3at PoE + 4-port 1000Base-X SFP + 2-port 10G Base-SR/LR SFP+ hardened Ethernet switch. It has 8 TP ports and 6 fibre ports. The TP (RJ45) ports support 10/100/1000Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection. The 1000Base-X SFP and 10G SFP+ support 1 or 2 core Single-mode or Multi-mode fibre. With its reliable design and ease of use, this switch is a great choice for integrating networks of IP cameras and wireless access points between locations





### FEATURES

- > Support 8x10/100/1000Base-T 802.3at PoE + 4x1000Base-X SFP + 2x 10GBase-SR/LR SFP+
- > 10/100/1000Mbps RJ45 ports support Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- > IEEE802.3af/at compliant
- > Supports 802.3x Flow control
- > DIN Rail mountable
- > DIP Switch control one-key VLAN, one-key Ring Management, PoE Reset and 250m PoE Network
- > USB-C port for easy management
- > Rugged and dustproof IP40, rugged high-strength metal case
- > -40°C to 80°C (-40°F to 176°F) operating temperature range
- > 9K Bytes Jumbo Frame support
- > IEEE 802.3az Energy Efficient Ethernet (EEE)

### INFORMATION

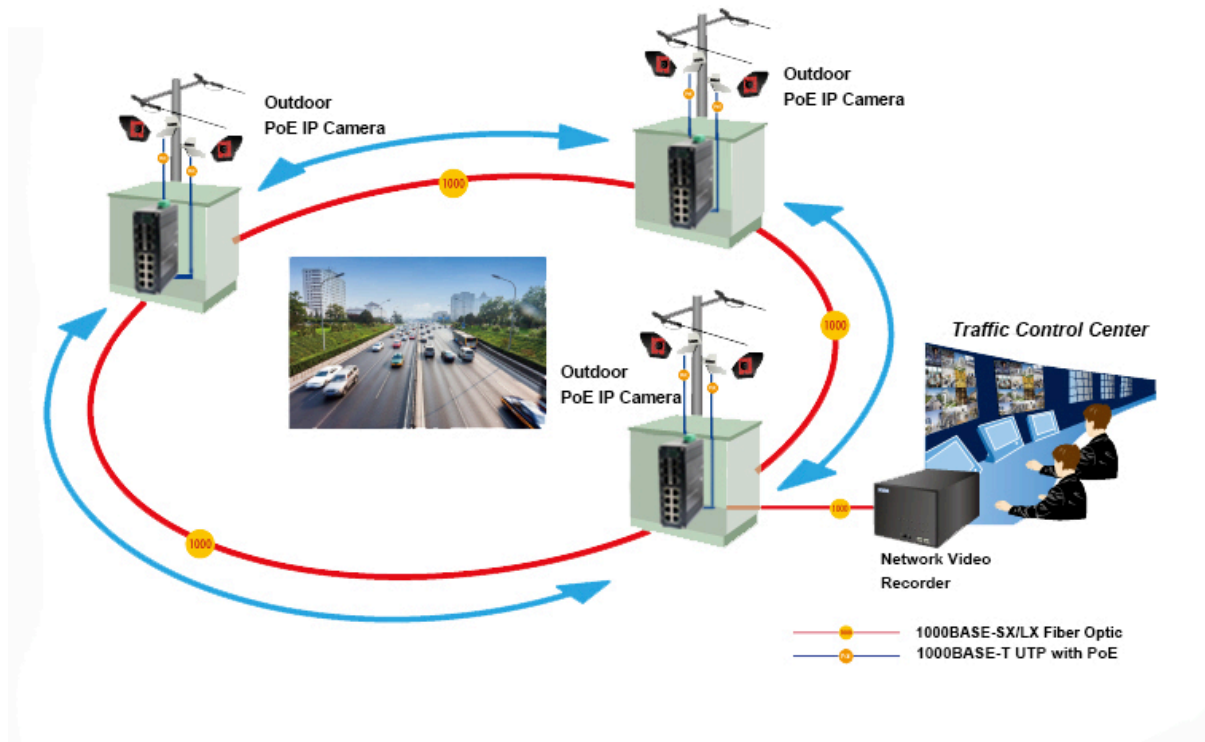
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Device Information	Device Status
Device Name: Industrial Managed Switch Device SN: SWM-POE-8/4SFP/2SFP+-48V Description: ETH231610001 Default IP: 192.168.40.253 IP address: 192.168.40.253 Device MAC: 00:01:90:00:c0:83 R&D SN: MBN6000ETH Hard Version: V1.2.2 Soft Version: V1.0.15 Current Time: Mon Oct 16 2023 09:20:54 Running Time: 00:13:46	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Memory Utilization:12%</p>  </div> <div style="text-align: center;"> <p>CPU Utilization:9%</p>  </div> </div>

Port Information

F12	F11	F10	F9	G14	G13	PWR	GPIO	F10	F12	G14	T2	T4	T6	T8
								F9	F11	G13	T1	T3	T5	T7

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## LED and Dip Switch Settings

	DIP	Function	Settings	
	4-digit DIP switch function	SW 1	VLAN	ON - Enabled
SW 2		Ring Management	ON - Enabled	OFF - Disabled
SW 3 (to be upgraded)		250m PoE Network	ON - Enabled	OFF - Disabled
SW 4 (to be upgraded)		PoE Reset	ON - Enabled	OFF - Disabled
LED Indicators:				
PWR:	Power Status			
Ethernet (Per Port):	Link/Activity			
PoE (Optional)	PoE Status			
Fiber:	Gigabit SFP Port: F9~F12			
	10G SFP+ Port: F13, F14			

## SPECIFICATIONS

ETHERNET	
Standards:	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
	IEEE 802.3at Power over Ethernet Plus PSE
	IEEE 802.3af Power over Ethernet Plus
MAC Address Table:	8K
Forward & Filtering Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
	1,488,000,000pps (10000Mbps)
Packet Buffer:	12Mbits
Packet Length:	100Kbytes
Switch Fabric:	110Gbps/non-blocking
Exchange Property	Backplane bandwidth: 20Gbps; Packet forwarding rate: 14.88Mpps
Connectors:	8x 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports with 802.3at PoE+ injector function (Ports 1 to 8) 4x 100/1000BASE-X SFP Port Auto MDI/MDI-X Based on SFP 2x 1000/10000 SFP/+ 1x USB C
PoE (Power over Ethernet)	
Standard:	IEEE802.3af/at
Port:	RJ45
PoE:	Max 30W per port
Power Pin Assignment:	4/5(+), 7/8(-)
PoE Budget:	Up to 120-watt PoE budget (48VDC) 90-watt PoE budget (24VDC) 60-watt PoE budget (12VDC)
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
Software Features	
Redundancy Protocols	Supports STP/RSTP/MSTP/ERPSv2, Link Aggregation
Multicast Support	IGMP Snooping V1/V2/V3, support GMRP, GVMP,802.1Q
VLAN	Support IEEE 802.1Q 4K VLAN, QinQ, Double VLAN
Time Management	Sntp
QOS	Flow-based redirection Flow-based rate limiting Flow-based packet filtering 8x Output queues for 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 the first 80 bytes of packet. 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 Time-Based PoE Scheduling
Diagnostics	Supports port mirroring, Syslog, Ping
Management Functions	CLI, HTTP, 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 DHCP Snooping, Option 82, 802.1X security access, Hierarchical user management, Access Control List, DDoS protection, port-based MAC filtering / binding, MAC black holes, IP source protection, Port isolation, and ARP message speed limiting
Advanced Features	IPv4/IPv6 Management Static Routes
<b>Electrical and Mechanical</b>	
Input Power:	48-57VDC (Terminal Block) Redundant Power
Power Consumption:	<125W (Non-PoE<6W)
Power Input Overload:	Automatic Resettable breaker
Reverse Polarity:	Protection Present
Dimensions (WxDxH)	95 x 70x 29mm
Weight:	687g
Casing:	Aluminium Case
Mounting:	DIN RAIL
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 EN55032:2017 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)