

SW1000_1808



- Din-rail Managed Industrial PoE Ethernet Switch
- 8 x10/100/1000TX RJ45 Copper ports with 8 PoE and 2 x1000M SFP Ports
- It provides L2 wire speed and advanced security function for network aggregation deployment
- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE802.3af, IEEE802.3at
- PoE Budget 240W
- IP30 Aluminum case



Specifications

The actual appearance is subject to the final configuration.

MODEL	SW1000_1808	
I/O INTERFACE	RJ45 Ports	8 10/100/1000M RJ45 Copper ports
	SFP ports	2 1000M SFP ports
	Management Interface	RJ45 Console port
	LED	Power, Link/Act, PoE
Performance	Switching Capacity	20 Gbps
	Forwarding Capacity	14.88 Mpps
	Forwarding Mode	Store and Forward
	Packet Buffer Memory	4.1 Mbit
	RAM for CPU	1 Gbit
	Flash Memory	128 Mbit
	MAC Address Table	8K
	Max. Jumbo Frame size	16K
	VLAN Quantity	4K
	ACL Table	512
	L3 Interface	32
	Port Queues	8
PoE Budget	240W	

Power over Ethernet	PoE Interfaces	Ports 1-8
	PoE Standard	IEEE802.3af, IEEE802.3at
	Max. PoE Wattage per Port	30W
	PoE Voltage	52VDC Depend on Power Adapter
	PoE Pin Assignment	V- (RJ45 Pin1,2), V+ (RJ45 Pin 3,6)
	PoE Management	Port-base PoE status view and control
Port Configuration	Enable and Disable	Support control enable and disable
	Auto-Negotiation	Support force port mode and speed
	Flow Control	Support IEEE802.3x full-duplex - Support half-duplex backpressure
	Storm Control	Support broadcast, multicast and DLF package rate limit
	Port Mirroring	Support many to one mirroring
	Rate Limit	Support Port input and output rate limit
	Link Aggregation	Support manual Link Aggregation - Support LACP - Up to 8 maximum aggregation groups, each containing up to 8 ports
	Aggregation Strategy	Source MAC / Destination MAC / Source Destination MAC - Source IP / Destination IP / Source Destination IP
	Port Protection	Each port can be configured into isolated protected port from each other
MAC Configuration	MAC Address Table Management	Support
	Transfer Mode	Support IVL Transfer Mode
	Static MAC Address	Support
	MAC Binding	Support
	MAC Address Filter	Support
	MAC Quantity Limitation	Support limit the number of MAC-addresses Learning per port
VLAN Configuration	VLAN Based on 802.1Q	Support
	MAC-Based VLAN	Support
	IP-Based VLAN	Support
	Protocol-Based VLAN	Support
	Voice VLAN	Support
	Guest VLAN	Support
	Private VLAN	Support
	VLAN Mapping	Support 1:1 mapping
Double VLAN Markup	Support basic QinQ	
Reliability Protocol	Spanning Tree	Support STP/RSTP/MSTP
	BPDU Guard	Support
	BPDU Filter	Support
	Port Loop Detection	Support
	EAPS Protocol	Support RFC3619
	ERPS Protocol	Support G.8032/Y.1344
	LLDP Protocol	Support LLDP and LLDP-MED
	UDLD Protocol	Totally compatible with UDLD protocol of CISCO

Host Routing	Static ARP	Support
	Static Routing	Support
Multicast	Static Multicast MAC Address	Support
	IGMP Snooping	Support
	MVR	Support
	GMRP	Support
	Port Mirroring	Support many to one mirroring
Access Control List (ACL)	Based on Standard IP	Support
	Based on Extend IP	Support
	Based on MAC IP	Support
	Based on MAC ARP	Support
	Based on time	Support
	Port Filtering	Support
Quality of Service (QoS)	Scheduling Mode	Support WRR, SP, WFQ
	Sorting Based on Port	Support
	Sorting Based on 802.1p	Support
	Sorting Based on DSCP	Support
	Sorting Based on ACL Data Flow	Support
	QoS Strategy	Support packet mapped to the corresponding output queue - Support to modify the packet's COS and DSCP sign - Support limit of data flow - Support statistics of data flow - Support mirroring of data flow
Security	Administrative Security	Support start and end TELNET, WEB and SNMP serve Support TELNET, WEB and SNMP serve binding with Standard IP ACL Support control the number of user for TELNET
	CPU Protect	Switch self-security protect, forbid flow attack
	IP-MAC Address Binding	Support binding between static configuration IP, MAC and Port
	AAA	Support 802.1x protocol Support RADIUS protocol Support RADIUS server authentication authorization and bill Support MAC-based 802.1X authentication. Support 802.1x guest VLAN
	DHCP SNOOPING	Support dynamic ARP binding to prevent ARP spoofing Support dynamic IP, MAC port binding Support stationary port connect to DHCP server, to prevent privately connect to DHCP sever
	Prevent ARP Spoofing	Support manual configure ACL rule based on MAC ARP prevent ARP spoofing Support DHCP SNOOPING function, switch dynamically binding ARP and port, when the DHCP get IP address , to prevent ARP spoofing
	IPv6	ICMPv6
IPv6 Neighbor Discovery		Support
MLD Snooping		Support
IPv6 Telnet		Support

Management Feature	CLI Management	Support serial port management - Support TELNET management - Support SSH management
	WEB Management	Support
	SNMP Management	Support SNMP protocol - Support SNMP TRAP - Support standard and private MIB
	User management	Support multi-user management
	Show CPU Utilization	Support
	Show RAM Utilization	Support
	TACACS+	Support TACACS+ server remote user name and password authentication - Support PAP and CHAP password encryption - Support TACACS+ server command authorization
	Log Management	Support
	RMON	Support RMON 1,2,3,9 group
	Cluster Management	Support neighbor discovery protocol - Support topology discovery protocol - Support manual and automated join cluster group Support cluster unification management
	OAM	Support 802.3ah - Support 802.1ag
	Configuration Download / Upload	Support
	ZTP	Support Zero-Touch Provisioning
Debugging Tools	PING	Support
	TRACEROUTE	Support
	TELNET Client	Support
Environment	Operating Temperature	-40 to 75°C
	Storage Temperature	-40 to 85°C
	Relative Humidity	5 to 95% (non-condensing)
Physical Characteristics	Power Method	44-57VDC
	Max. Power Consumption	Including PoE Output: 255W
		Excluding PoE Output: 15W
	Material	Aluminum case
	IP Grade	IP 30
	Dimensions	140(L) x 138(W) x 40(H)mm
Net Weight	-	
Regulation	EMC	FCC, CE, RoHS

Ordering Information

Features

Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE802.3af, IEEE802.3at

Provide 8 10/100/1000TX RJ45 Copper ports with 8 PoE and 2x1000M SFP ports

PoE Budget 240W

High back-plane bandwidth 20Gbps

Support ICMPv6

Support IPv6 Neighbor Discovery

Support MLD Snooping

Support IPv6 Telnet

Support standard IP/ Extend IP / MAC IP / ARP ACL

Support IGMP snoopingfor Multi-media application

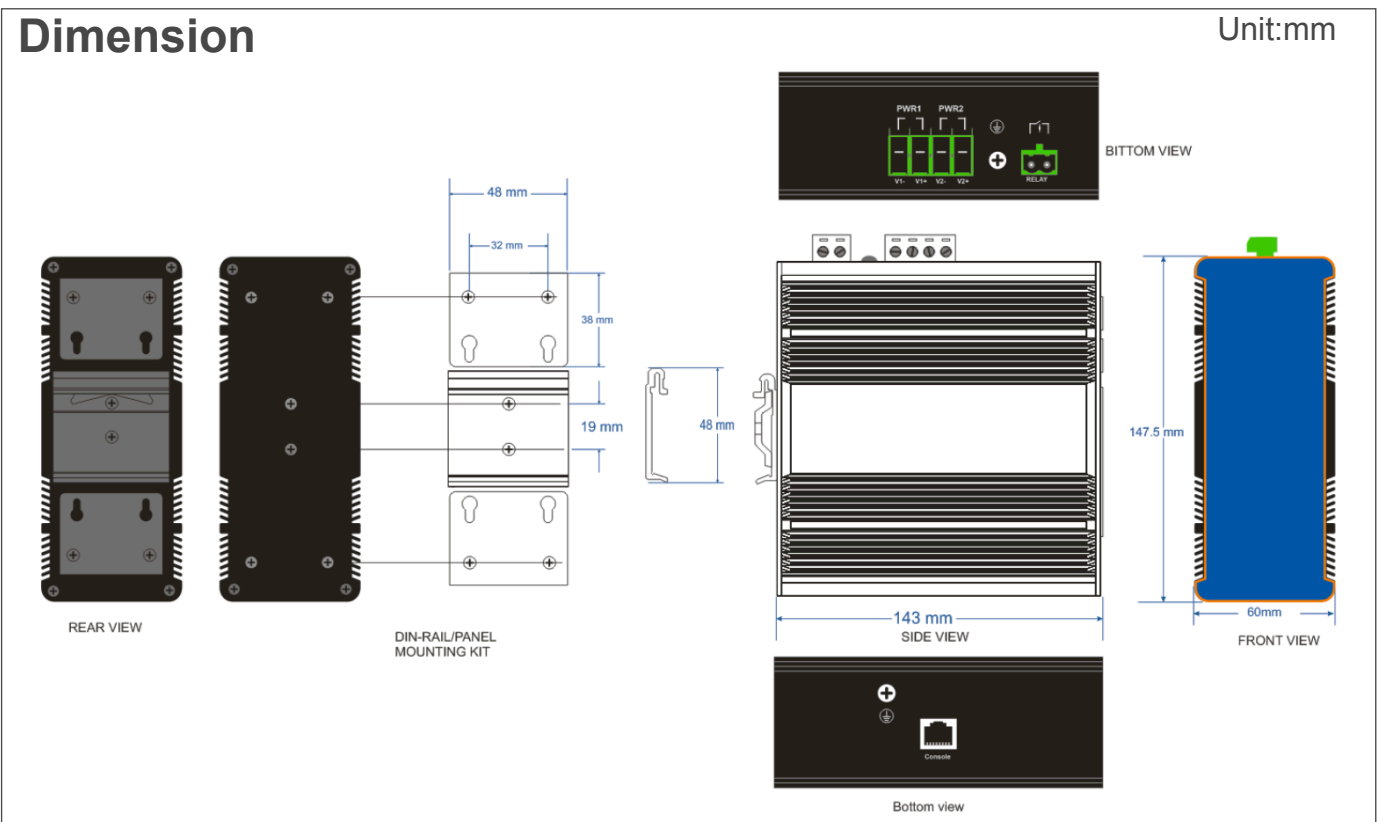
Support Port mirror and bandwidth control

Support IEEE 802.3x Flowcontrol

Support Port Based VLAN / 802.1Q Tag VLAN

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- Support IEEE 802.3 ad Port trunk with LACP
- Support Spanning tree protocol IEEE802.1d/802.1w/802.1s
- Support IEEE802.1p class of service
- Support IEEE 802.1x user authentication
- Support Broadcast storm filter
- Support System event log
- Support command line interface management
- Support Zero-Touch Provisioning (ZTP)
- Management by Web / SNMP / SSH / Telnet (IPv6 ready) / Console
- Surge protection for power port and data ports
- Wide power input: 44~57VDC
- Wide working temperature: -40~75°C
- IP30 Aluminum case
- 200,000 hours MTBF (Parts count reliability prediction)



The actual appearance and dimensions are subject to the final configuration

Ordering Information

Switch Models

8GE+2SFP Din-rail Managed Industrial PoE Switch

Packing List

Deafult Items	Qty
SW1000_1808 Unit	1
User Manual	1
DB9 to RJ45 Cable	1

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