POE-SWR612GM-SOLAR

Industrial Wide Voltage Input 12 Ports L2+ Cloud Managed PoE Switch with Voltage Booster

POE-SWR612GM-SOLAR is an Industrial Fast Ring Managed PoE switch with 10*10/100/1000Mbps RJ45 ports, 2*1000Mbps SFP fiber slot modules and 1*Console port. The equipment adopts no fan, low power design, with the advantages of easy to use, small and beautiful, simple installation and so on. The product is designed in line with Ethernet standard, with lightning protection, electrostatic protection mechanism, stable performance, safe and reliable, can be widely used in intelligent transportation, telecommunications, security, financial securities, customs and other broadband data transmission fields.

Outstanding Features

- Ports 1~8 support IEEE802.3af/at standard, maximum output of each port up to 30W
- Support IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control
- Panel indicator to monitor working status and help fault analysis
- All aluminum alloy high energy roof heat conduction groove design
- High reliability design, support the traditional STP/MSTP/RSTP layer 2 link protection technology
- Support static aggregation and dynamic aggregation (LACP) mode, effectively increase link bandwidth, improve link reliability, and realize load balancing and link backup
- Flexible and convenient management and maintenance support Console, Telnet, SSH and other management methods
- Support WEB management, more simple and efficient, easy to install and debug engineering and maintenance personnel

Specification

Hardware Specification

POE-SWR612GM-SOLAR	
Standard	IEEE802.3, IEEE802.3a, IEEE802.3ab, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1q, IEEE802.1p, IEEE802.1x, IEEE802.1s, IEEE802.1d, IEEE802.3w, IEEE802.3ad, IEEE802.3af, IEEE802.3at
Interface	10*10/100/1000Mbps RJ45 Ports 2*1000Mbps SFP Slots 1*Console Port
Network Media	10BASE-T: UTP category 3, 4, 5 cable (≤100m) 100BASE-TX: UTP category 5, 5e cable (≤100m) 1000BASE-T: UTP category 5e, 6 cable (≤100m) 1000BASE-X:MMF, SMF
Indicator	PWR1(Green), PWR2(Green), STA(Green), Fault(Green), LNK/ACT(Green/Yellow), PoE(Green)
MAC Address Table	8K, Auto-learning, Auto-update
Jumbo Frame	10000Bytes
Packet Buffer	4.1Mbit
Transfer Mode	Store-and-Forward
Packet Forward Speed	17.86Mpps
Switching Capacity	24Gbps
Dimensions (W*H*D)	1.96×6.73×4.72″(50×171×120mm)
PoE Power Budget	240W
PoE Port	Port 1 to 8
PoE Power On RJ45	1/2 (+), 3/6 (−)
PoE Power Output	30W (Max)
Input Power Supply	PWR1, PWR2 Input Voltage: DC 8-57V
Operating Temperature	-40°F to 167°F(-40°C to 75°C)
Storage Temperature	-40°F to 176°F(-40°C to 80°C)
Operating Humidity	5% ~ 95% non-condensing
Storage Humidity	0% ~ 95% non-condensing
Surge Protection	Differential mode ±2KV, Common mode ±4KV
Electrostatic Standard	Contact ±6KV, Air ±8KV
MTBF	>50000 hours

Software Specification

L3 Features	DHCP Server	DHCP Server
		DHCPv6 Server
	Route	Static Route (IPV4/IPV6)
		Route Aggregation
L2 Features	MAC Address Table	MAC Aging Time
		MAC Filter
		MAC Notification
	Basic Management	Console/Telnet/SSH
		Http/Https, SSL/TLS
		FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3), SNMP Trap
		SNTP/NTP
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
	Port Config	Bandwidth Control
		Flow Control
		EEE
		MTU
		CFM (802.1ag)
		EFM OAM (802.3ah)
		DDM
		Storm Control
		Port Isolation
		Port Security
		Virtual Cable Test
		ULDP/Cisco UDLD
	Discovery	LLDP (802.1ab)
		LLDP-MED

L2 Features	Link Aggregation	Static
		LACP (802.3ad)
		Load Balance (src-mac/dst-mac/src-ip/dst-ip)
		Max groups and ports per group
	VLAN	VLAN (802.1Q 4K)
		Access/Trunk/Hybrid
		Private VLAN
		VLAN Filter
		MAC-based VLAN
		Protocol-based VLAN
		IP Subnet-based VLAN
		Voice VLAN
		QinQ/Selective-QinQ/Flexible QinQ
		GVRP/GMRP
		Guest VLAN
	Spanning Tree	STP/RSTP/MSTP
		MSTP Support 64 instance
		BPDU Guard/Root Guard/BPDU Tunnel
	Network Loop Detection	Loopback Detection
		ERPS
	ARP	Static ARP
		ARP Scanning Prevention
		ARP Spoofing Prevention
		ARP Guard
		Gratuitous ARP
		Dynamic ARP Inspection
		ARP Quantity Control
IPv4 Related Function	ICMP	Anti ICMP Attack
		ICMP Rate Limit
		ICMP Unreachable Drop
	Control Multicast	DCSCM
	Multicast VALN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3
		Fast Leave
		IGMP Proxy
	DHCP	DHCP Client/BOOTP
		DHCP Relay
		DHCP Snooping
		DHCP Option 82/43/60/61/67
IPv6 Related Function	IPv6 Basic	IPv6 ND Snooping
	DHCPv6	DHCPv6 Relay
		DHCPv6 Snooping
		IPv6 SAVI
		Security RA
	IPv6 Multicast Routing	MLD v1/V2 Snooping
	IPv6 Features	SNMP over IPv6 Support
		HTTP over IPv6 Support
		SSH over IPv6 Support
		DNS over IPv6 Support
		IPv6 ping/traceroute Support
		IPv6 Telnet Support
		IPv6 Radius+ Support
		IPv6 Tacacs+ Support
		IPv6 SNTP/NTP Support
		IPv6 FTP/TFTP Support
		IPv6 IPSec Support
		IPv6 ACL
COS to Queue mapping	Basic	Trust COS/DSCP
		Trust Port
	Scheduling	SP
		WRR
		WDRR
	PolicyMap Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate PolicyMap
		Ingress PolicyMap
	Policing	CAR Stream Shaping (leak algorithm)
		Ingress Policing

		COS/802.1p Priority
COS to Queue mapping	Rewrite	IP Precedence
		IPv4 DSCP/IPv6 DSCP
		drop-precedence
		internal-priority
		Ingress/Egress Rewrite
	Queuing	DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping
		COS to DP mapping
ACL	IP-ACL	SIP/DIP
ACL	IP-ACL	IP Protocol
		IP Priority (DSCP,TOS, Precedence)
		TCP, UDP src, dst Port
	MAC-ACL	SRC/DST MAC
		VLAN
		COS
		Tag/Untag
	IP-MAC ACL	MAC-ACL and IP-ACL
	User-defined ACL	Based on user defined profile
	ACL Features	Based on time period ACL
		ACL on VLAN
		Based on ACL Stream
Security	802.1x	Port Based Authentication
		Support EAPoR
		MAC based Authentication
		Guest VLAN
	MAB	Based on Port Authentication
		Based on MAC Authentication
	MAC Address Count Limit	Based on Port
		Based on VLAN
	IP Address Count Limit	Based on Port
		Based on VLAN
	Access Management	Based on source mac and IP address
	Deny DoS Attack	TCP Flag
		TCP Flagment
		IP Segment
		ICMP
	TACACS+	Standard Support
	Radius	Standard Support
		Client, Support MD5
	SSL	Openssl 1.1.0
Redundancy Related Function	MRPP	Compatible ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/Monitor Link
	ULSM	Uplink State Monitor
Mirror	Mirror	Support one to one, multi to one
		Port based mirror, support ingress, egress, and both
		CPU based mirror
		Flow based mirror
		RSPAN
PoE	PoE Management	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling

Package included

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Wall Mounting Accessory
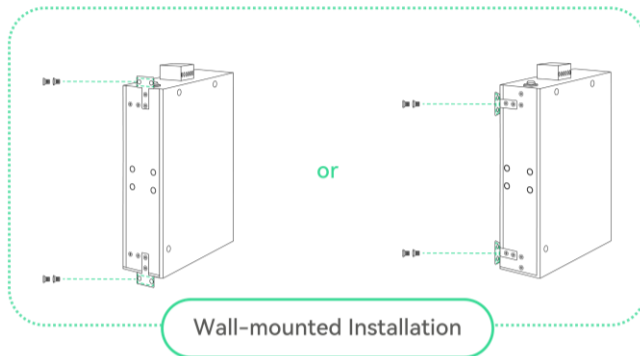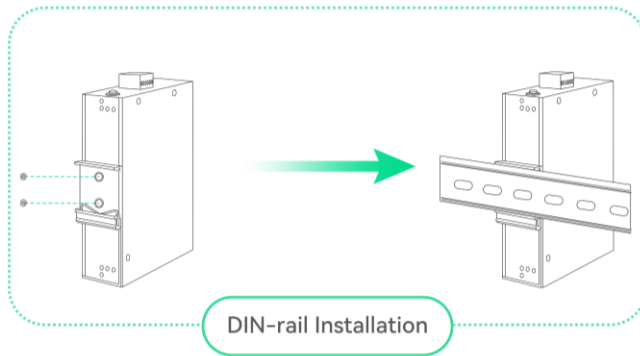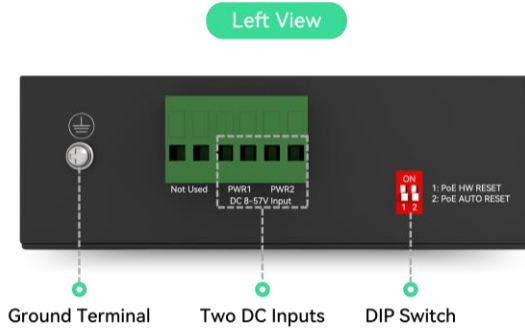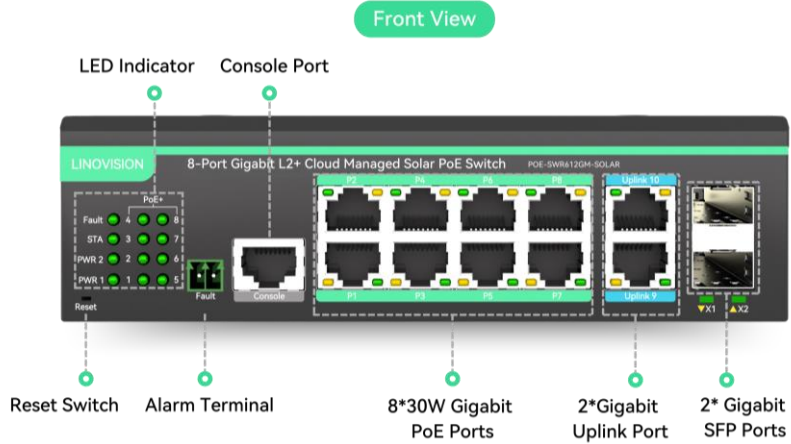
DIN-Rail Mounting Accessory

Connecting line

POE-SWR612GM-SOLAR

User Manual

Installation

DIN-rail Installation

or

Wall-mounted Installation

Interface

Front View

LED Indicator   Console Port

8-Port Gigabit L2+ Cloud Managed Solar PoE Switch   POE-SWR612GM-SOLAR

Reset Switch   Alarm Terminal   8*30W Gigabit PoE Ports   2*Gigabit Uplink Port   2* Gigabit SFP Ports

Left View

Not Used   PWR1 PWR2
DC 6-57V Input

ON
1 2   1: PoE HW RESET
2: PoE AUTO RESET

Ground Terminal   Two DC Inputs   DIP Switch

Dimension

1.97" (50mm)

4.72" (120mm)

4.72" (172mm)

Weight: 2.22lb(1005g)

Note: Technical specifications may subject to change without prior notice.