

POE-SWR612GM-DC12V

12 Ports L2+ Managed PoE Switch with DC12V to DC48V Voltage Booster



POE-SWR612GM 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	
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	P1(Green), P2(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	P1, P2 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 Static Route (IPV4/IPV6)		
	Route	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 Multicast VALN	DCSCM 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
		IPv6 Multicast Routing	Security RA 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
Basic			Trust COS/DSCP Trust Port
Scheduling			SP WRR WDRR
COS to Queue mapping	PolicyMap Stream	Based on VLAN Based on COS/DSCP Aggregate PolicyMap Ingress PolicyMap	
	Policing	CAR Stream Shaping (leak algorithm) Ingress Policing	

COS to Queue mapping	Rewrite	COS/802.1p Priority 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
	IP-MAC ACL	Tag/Untag 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 TCP Flag
	Deny DoS Attack	TCP Fragment 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

Package included



POE-SWR612GM-DC12V



Wall Mounting Accessory



DIN-Rail Mounting Accessory

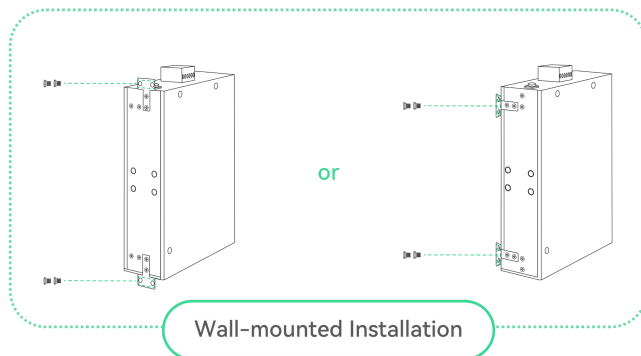
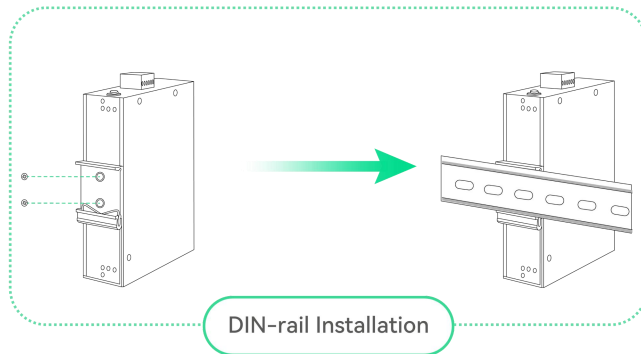


Connecting line

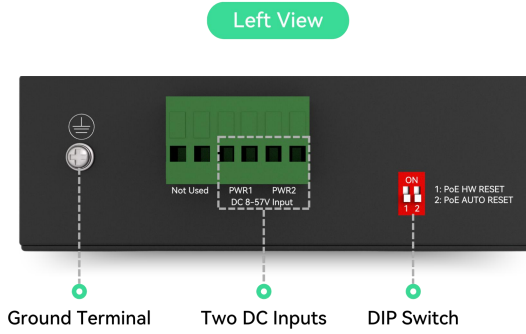
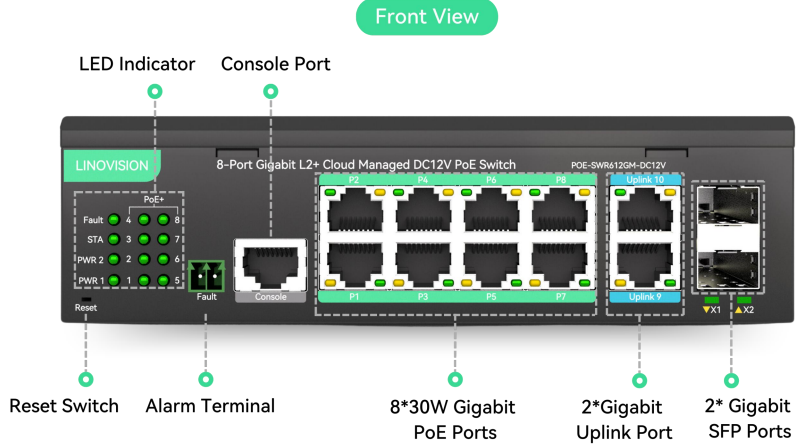


User Manual

Installation



Interface



Dimension



Weight: 2.22lb(1005g)