

POE-SWR612GM-SOLAR

Industrial 12 Ports Full Gigabit L2+ Remotely Managed Solar PoE Switch



Outstanding Features

L2+ Remote Cloud Managed

- Comprehensive L2+ Management (VLAN, QoS, ACL, Static Routing, Link Aggregation).
- Remote PoE Monitoring and Control via RemoteMonit (Linovision Cloud Service).

High-Power PoE+ Switch

- Dual redundant DC inputs support wide 8-57V range via built-in voltage booster.
- Total PoE Budget Varies by Input Voltage: 240W@48V, 180W@24V, 70W@12V.
- Switch Port: 4 * Gigabit Hi-PoE 45W Ports, 4 * Gigabit IEEE802.3at 30W Ports, 2 * Gigabit Uplink Ports and 2 * Gigabit SFP Slots.

Reliability

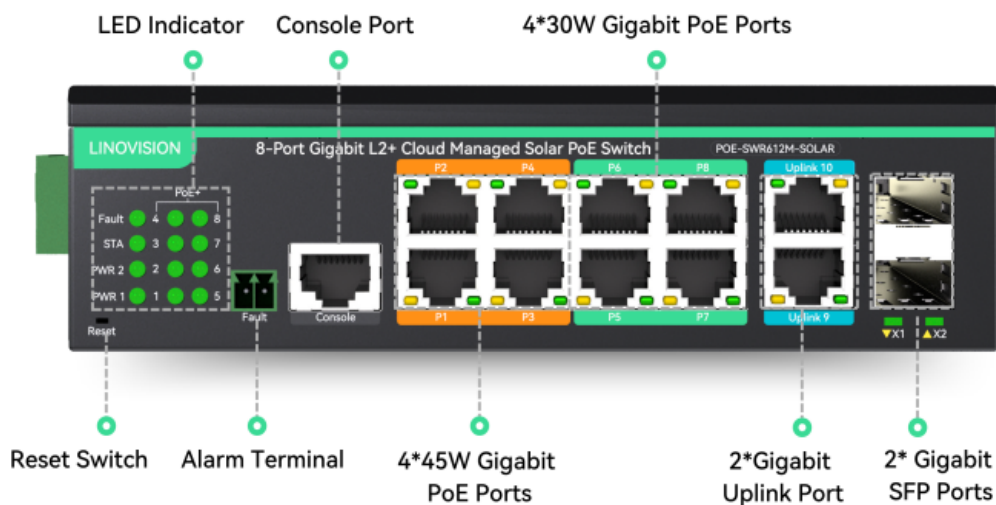
- PD Alive automatically detects and restarts unresponsive PoE devices.
- Relay Alarm for Power Failure.

Industrial Design

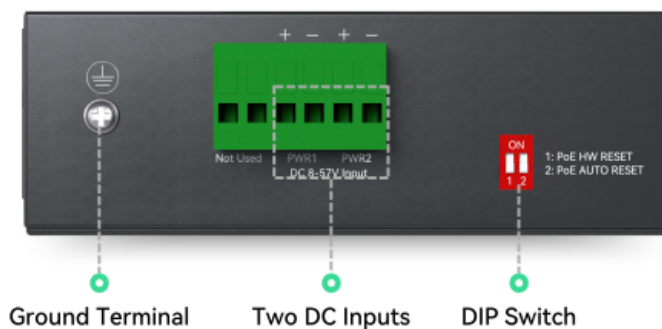
- IP40 Metal shell & fanless design.
- Supports DIN-rail or Wall mounted installation.
- Wide working temperature -40°C to 75°C (-40°F to 167°F).
- 4KV surge immunity and 6KV ESD protection.

Interface

Front View



Left View



Dimension



Hardware Specifications

Mechanical Specs	
Dimensions (W*H*D)	50 * 171 * 120 mm (1.96 * 6.73 * 4.72 in)
Weight	1.01 kg (2.22 lb)
Material	Metal
Protection Rating	IP40
Installation	Din-Rail
Interfaces	
Ethernet Port	10 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots
Management Port	1 * Console Port
Input Power Supply	Redundant Power Supply: DC 8-57V
LED Indicator	PWR1 (Power1) : Green PWR2 (Power2) : Green STA (System Status): Green Fault: Green LINK/ACT: Green/Yellow PoE: Green
Reset Button	Pinhole reset button
Power over Ethernet	
PoE Port	Port 1-4: Hi-PoE Port Max.45 W Port 5-8: IEEE 802.3at PoE+ Port Max.30 W
PoE Power Supply Type	End-span
Power Pin Assignment	Mode A: 1/2 (+), 3/6 (-)
PoE Power Budget	240W
Switching Features	
Switch Architecture	Store-and-Forward
Switching Capacity	24 Gbps
Packet Forwarding Rate	17.86 Mpps
MAC Address Table	8 K, Auto-learning, Auto-update
Jumbo Frame	10000 Bytes
Packet Buffer	4.1 Mbit
Watchdog	Support
Standards Conformance	
Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T

Standard	IEEE802.3z 1000BASE-SX/LX IEEE802.3x Flow Control IEEE802.1q VLANs IEEE802.1p Priority tagging/CoS IEEE802.1x PNAC IEEE802.1d STP IEEE802.1s MSTP IEEE802.3w RSTP IEEE802.3ad Link Aggregation IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet
Environment	
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-50°C to 80°C (-58°F to 176°F)
Operating Humidity	5% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
Surge Protection	Differential mode ± 2 KV, Common mode ± 4 KV
ESD Protection	Contact ± 6 KV, Air ± 8 KV
MTBF	>50000 hours

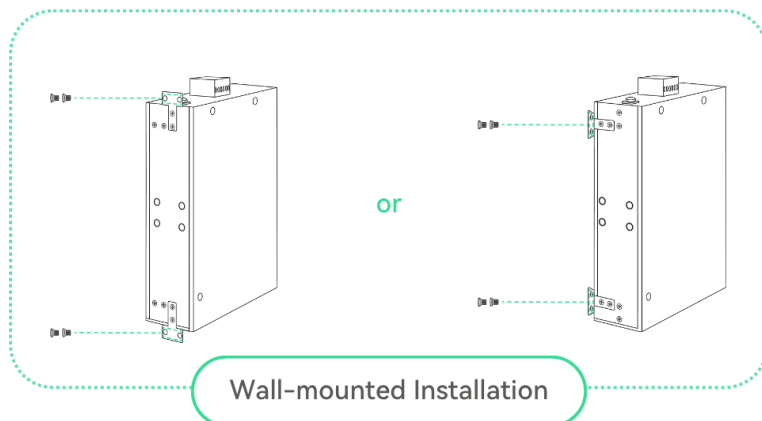
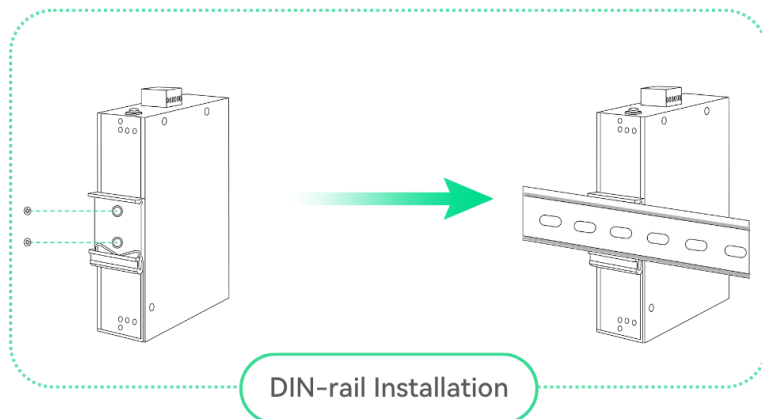
Software Specifications

L3 Features	
DHCP at Layer3	DHCP/DHCPv6 Server
	DHCP Client
	DHCP/DHCPv6 Relay
	DHCP/DHCPv6 Snooping
Route	IPV4/IPV6 Static Routing
	Route Aggregation
Material	STP/RSTP/MSTP
	MSTP 64 instance
	BPDU Guard/Root Guard/BPDU Tunnel
Link Aggregation	IEEE 802.3ad Link Aggregation Control Protocol
	Static Link Aggregation
L2 Features	
VLAN	Up to 4,093 VLANs Simultaneously
	802.1Q tag-based VLAN
	Port-based VLAN
	MAC-based VLAN

VLAN	Protocol-based VLAN
	IP subnet-based VLAN
	Voice VLAN
	Private VLAN
	Guest VLAN
	QinQ/Selective-QinQ/Flexible QinQ
	GVRP/GMRP
DHCP at Layer2	Work with DHCP Option 82
IGMP	IGMP Snooping V1/V2/V3
	IGMP Proxy
LLDP	IEEE 802.1ab
	LLDP-MED
Loopback Detection	Loopback Detection independent of STP
	ERPS
PoE Management	PoE On/Off Control
	PoE Budget Config
	PD Alive Detection
	Time Schedule PoE
QOS	
Priority Levels	8 Hardware queues
Scheduling	SP/WRR/WDRR Queue Scheduling Algorithm
Class of Services	Based on Port
	Based on IEEE 802.1p VLAN Priority
	IPv4/IPv6 IP precedence
	IPv4/IPv6 DSCP precedence
Security	
IEEE 802.1X	Port Based Authentication
	MAC Based Authentication
	EAPoR
BPDU	BPDU Guard
	Root Guard
	BPDU Tunnel
ARP	Static ARP
	ARP Scanning Prevention
	ARP Spoofing Prevention

ARP	ARP Guard
	Gratuitous ARP
	Dynamic ARP Inspection
	MAC-based VLAN
ACL	IP-based ACL
	MAC-based ACL
	Time-based ACL
	VLAN-based ACL
	User defined ACL
RADIUS/TACACS+	Standard Protocol
Storm Control	Defend Broadcast, Multicast & Unknown unicast
DoS Prevention	Deny DoS Attack
SSL	OpenSSL 1.1.0
Management	
Web GUI	Easy Browser-based Device Configuration, HTTP/HTTPS, SSL/TLS
SNMP	SNMP V1/V2c/V3
	SNMP Trap
CLOUD Management	LINOVISION RemoteMonit Platform or 3rd party Cloud platforms
Command Line	Console/Telnet/SSH
File Management	HTTP/FTP/TFTP

Installation



Package Contents



POE-SWR612GM-SOLAR



DIN-Rail Mounting Accessory



Connecting line



Wall Mounting Accessory



User Manual

**Disclaimer: Technical specifications may subject to change without prior notice*