

POE-SW508G2

Industrial 8 Ports Full Gigabit PoE Switch with 4 BT90W Ports



Outstanding Features

- **8 PORT FULL GIGABIT POE SWITCH:** Provides 8 10/100/1000Mbps PoE+ ports and 2 10/100/1000Mbps SFP Uplink ports. (SFP module is purchased separately, SFP-GE-RJ45)
- **BT90W POE++ OUTPUT:** Port 1-4 support BT 90W PoE++ output. It supports big power PTZ cameras, PoE light or PoE monitor. And it offers great cabling flexibility when bundling with PoE extenders and Passthrough PoE Switches.
- **GREAT COMPATIBILITY:** Compliant with IEEE 802.3af/at/bt PoE Standards, works well with PoE / PoE+ / PoE++ / Non-PoE devices, like PTZ camera, IP cameras, PoE VoIP Phones, PoE Wireless APs, IoT devices, etc.
- **REDUNDANT POWER SUPPLY:** from two independent power sources (DC 48-56V), ensure top reliability operation.
- **POE WATCHDOG:** Realtime monitor status of PoE load devices and automatically reboot PoE ports when the connected devices are not active.
- **UL Listed 120W Power Included:** Optional 240W Power adapter NDR-240-48 or 480W Power adapter NDR-480-48.
- **INDUSTRIAL DESIGN:** For harsh environment, with IP40 metal enclosure, wide working temperature from -40 °F to +167 °F (-40 °C to +75 °C) , Support DIN-rail or wall mounted installation, 6kV surge protection.

PoE Switch Specifications

Mechanical Specs

Dimensions (W*D*H)	159 × 110.5 × 49.5 mm (6.26 × 4.35 × 1.95 in)
Weight	665 g (1.47 lb)
Material	Metal
Protection Rating	IP40
Installation	Din-Rail/Wall Mount

Interfaces

Ethernet Port	8 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots
Power Supply	48-56V DC
Connector	Removable 4-pin terminal block Pin 1/2 for Power 1 Pin 3/4 for Power 2
LED Indicator	PWR: Power (green) X1, X2: SFP (green) Network Indicator: Link (yellow)

Power over Ethernet

PoE Port	Port 1-4: IEEE802.3bt PoE++ Max.90 W Port 5-8: IEEE802.3at PoE+ Max.30 W
PoE Power Supply Type	End-span
Power Pin Assignment	Port 1-4: 1/2/4/5(+), 3/6/7/8(-) Port 5-8: 1/2(+), 3/6(-)
PoE Power Budget	360W (default power supply supports up to 120W)

Switching Features

Switch Architecture	Store-and-Forward
Switching Capacity	32 Gbps
Packet Forwarding Rate	16.86 Mpps
MAC Address Table	8 KB
Flow Control	IEEE802.3x pause frame for full duplex Back pressure for half duplex

Standards Conformance

Regulatory Compliance	FCC Part15 Class A, CE, ROHS
Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T

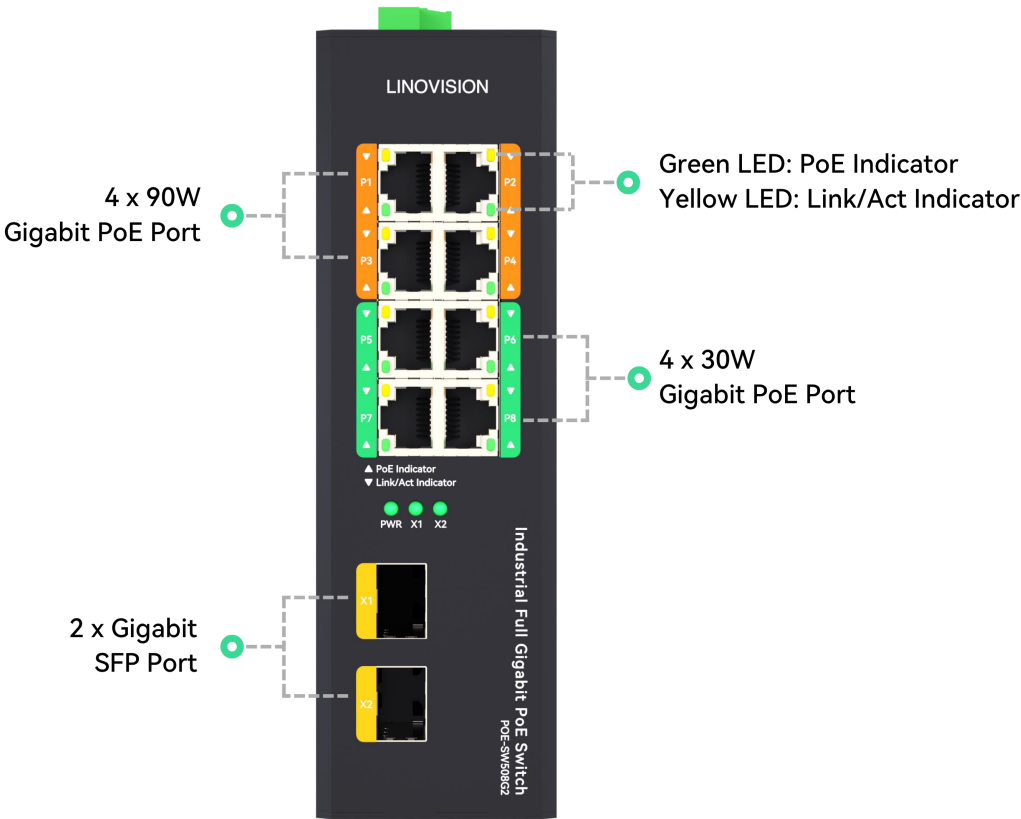
Standard	IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3bt Power over Ethernet IEEE802.3az EEE
Environment	
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-50°C to 85°C (-58°F to 185°F)
Operating Humidity	0% to 95% non-condensing
Storage Humidity	0% to 95% non-condensing
Surge Protection	Differential mode ±2 KV, Common mode ±6 KV
ESD Protection	Contact ±6 KV, Air ±8 KV

Power Supply Adapter Specifications

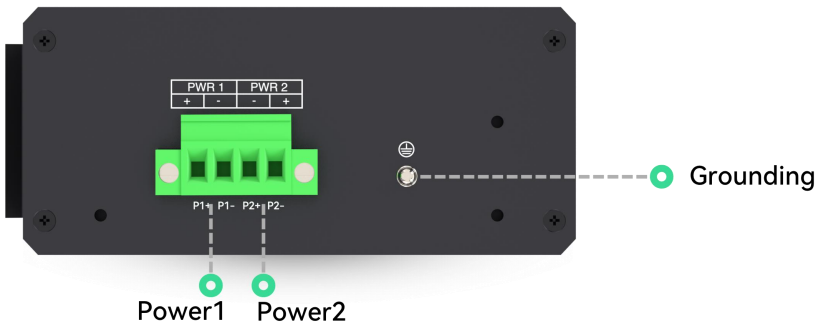
Input Voltage	100-240VAC
Output	54VDC, 2.22A, Max. 120W
Rated Input Voltage	220VAC
Input Voltage Range	100-240VAC
Input Current	<1.8A
Input Freq Range	50/60Hz
Voltage Regulation	54V DC ±5%
Voltage with full load	54V DC ±5%
Certifications	UL Listed (cULus), CE
Dimension (W × D × H)	58 × 140 × 34 mm (2.28 × 5.51 × 1.34 in)
Weight	315 g (0.694 lb)
Work Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Humidity	Up to 95% RH (Non-condensing)

Interface

Front View

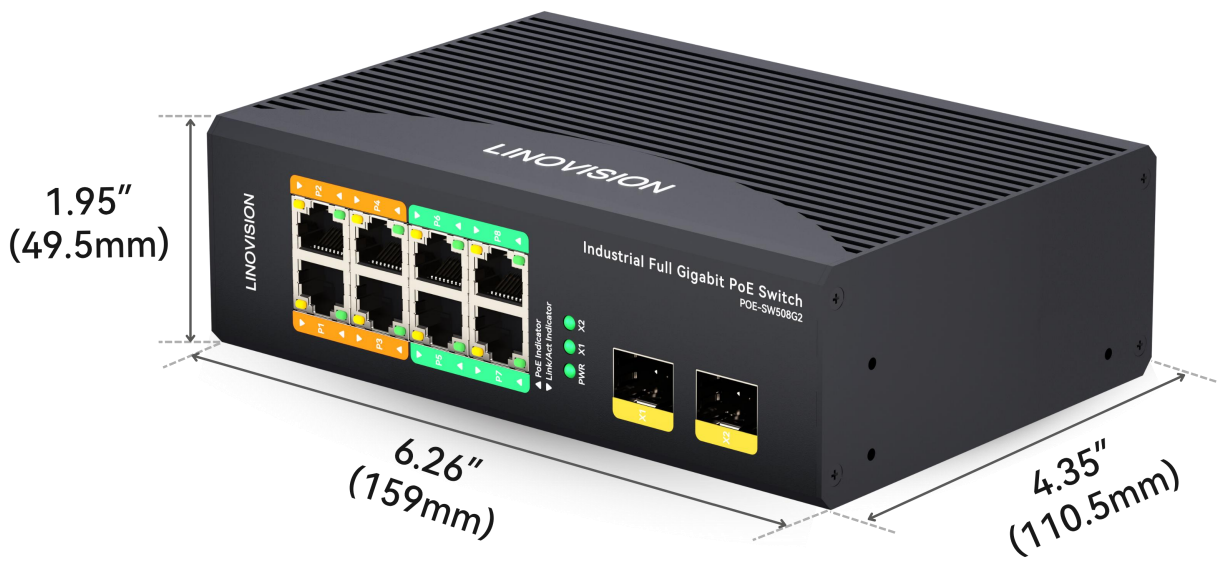


Side View

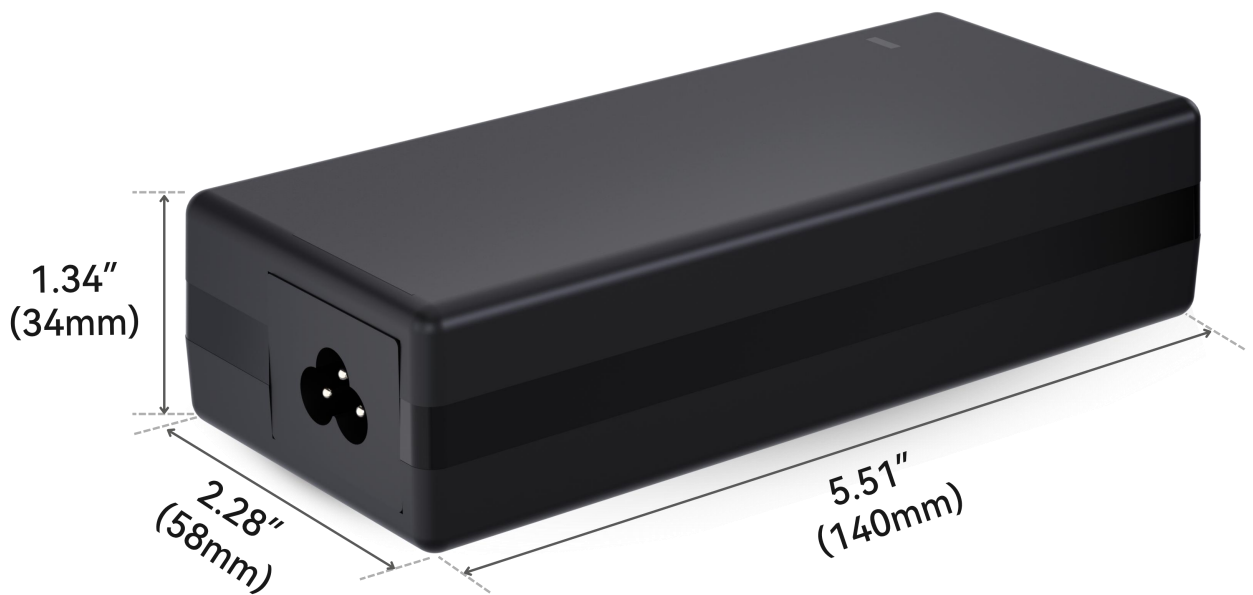


DC 48~56V Redundant Power Input

Dimension



Weight: 665g (1.47 lb)



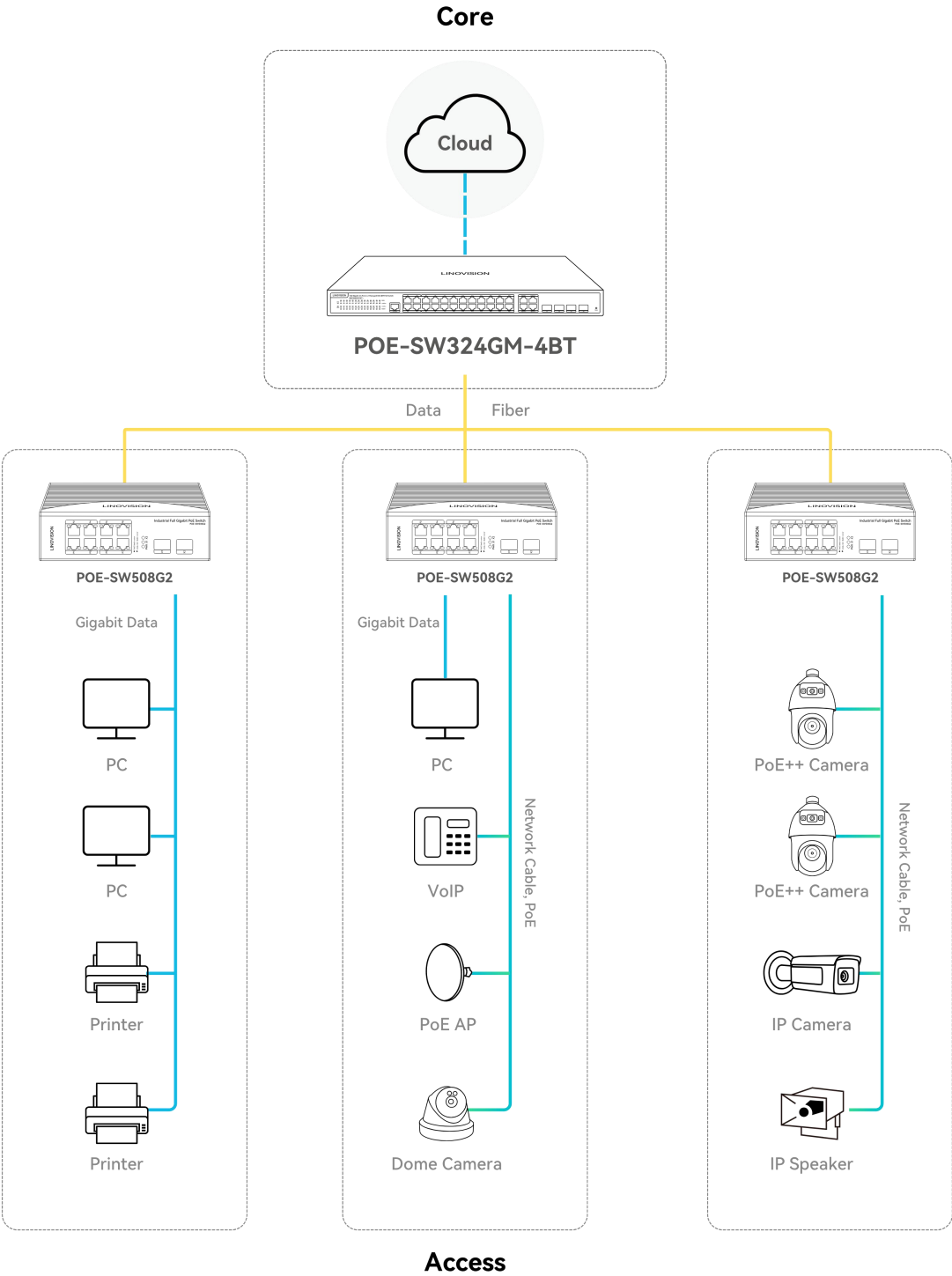
Weight: 315g (0.694 lb)

UL Listed Power Adapter

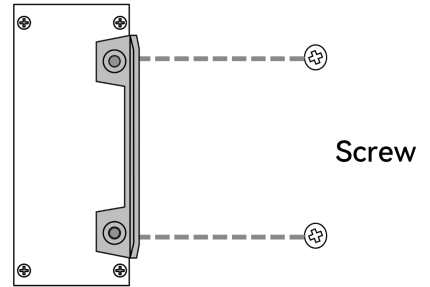
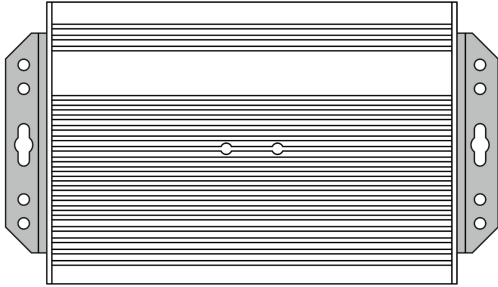
Default 120W power supply, optional Mean Well 240W Din rail Power Supply, the total PoE Budget of PoE Switch can be increased to 240W.



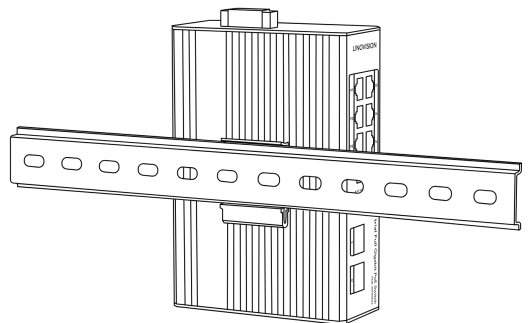
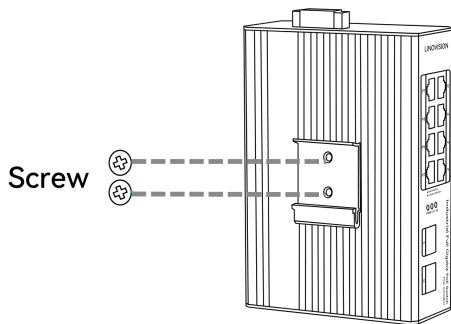
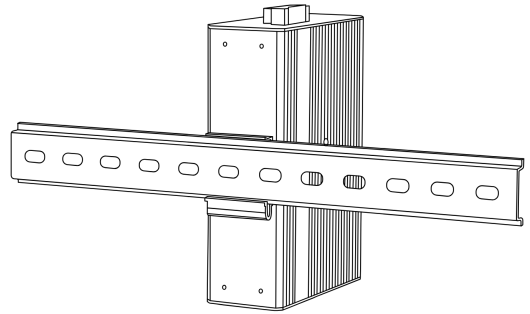
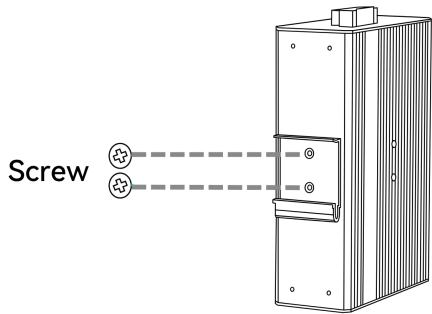
Connection Diagram



Installation



Wall Mounting



DIN-Rail Mounting

Package Contents



POE-SW508G2



UL Listed
AC 110~240V to DC 48V 2.5A
Power Adapter



DIN-Rail Mounting Accessory



Wall Mounting Accessory



User Manual