

POE-SW508G2

Industrial 8 Ports Full Gigabit PoE Switch with 4 BT90W Ports, Total PoE Budget 120W



Outstanding Features

PoE++ Switch

- Ports 1-4 (PoE++): Support IEEE 802.3af/at/bt standard, delivering up to 90W per port. Ideal for powering high-demand devices.
- Ports 5-8 (PoE+): Support IEEE 802.3af/at standard, delivering up to 30W per port. Suitable for a wide range of PoE-enabled devices.
- Total PoE Budget 360W (Max 120W with included power supply).

Gigabit Connectivity

- PoE Ethernet Ports: 8 * 10/100/1000Base-T PoE ports for power and data delivery.
- SFP Uplink: 2 * 100/1000Base-X SFP slot for fiber backbone and long-distance links.

Industrial Design

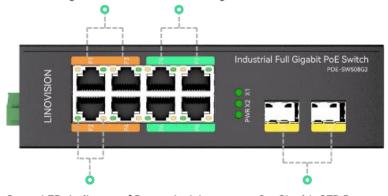
- IP40 Metal shell & fanless design.
- · Supports DIN-rail installation.
- Wide working temperature -40°C to 75°C (-40°F to 167°F).
- 6KV surge immunity and 8KV ESD protection.

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Interface

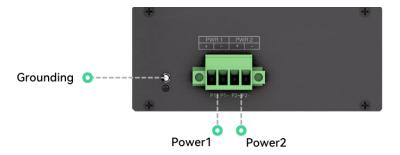
Front View

4 x 90W Gigabit PoE Port 4 x 30W Gigabit PoE Port



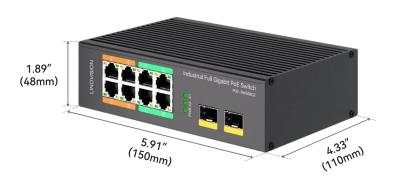
Green LED: Indicator of Power Activity Yellow LED: Indicator of Network Activity 2 x Gigabit SFP Port

Side View



DC 48~56V Redundant Power Input

Dimension



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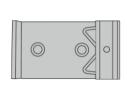
Hardware Specifications

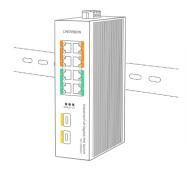
Mechanical Specs Dimensions (W*H*D) 48 * 110 * 150 mm (1.89 * 4.33 x 5.91 in) Weight 0.58 kg (1.28 lb) Material Metal Protection Rating IP40 Installation Din-Rail Interfaces Ethernet Port 8 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots Power Supply 48-56 VDC Connector Removable 4-pin terminal 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 Power Supply Type End-span Port 1-4: IEEE 802.3bt PoE+ Max.90 W Port 5-8: IEEE 802.3at PoE+ Max.30 W PoE Power Pin Assignment Port 1-4: IZ/J4/5(+), 3/6(7/8(-) Port 5-8: I/Z(+), 3/6(-) Poer Power Budget 360W Switching Features Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance FCC Part15 Class A, CE, ROHS EEEB02.3a 1 100 BASE-TX IEEEB02.3a 1 100 BASE-TX IEEEB02.3a 1				
Weight 0.58 kg (1.28 lb) Material Metal Protection Rating IP40 Installation Din-Rail Interfaces Ethernet Port 8 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots Power Supply 48-56 VDC Removable 4-pin terminal block Pin 1/2 for Power 1 Pin 3/4 for Power 2 LED Indicator PWR: Power (green) XJ, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet PoE Pow Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: IEEE 802.3at PoE+ Max.30 W PoE Power Supply Type End-span Power Pin Assignment Port 1-4: 1/2/4/5(+), 3/6(-) Port 5-8: 1/2(+), 3/6(-) PoE Power Budget 360W Switching Features Switching Features Switching Capacity 32 Gbps Packet Forwarding Rate 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance FCC Part15 Class A, CE, ROHS EteB02.3i 10 BASE-T IEEE802.3i 10 BASE-T Standard IEEE802.3i 10 BASE-T Standard IEEE802.3i 10 BASE-T Standard IEEE802.3i 10 BASE-TX	Mechanical Specs	Mechanical Specs		
Material Metal Protection Rating IP40 Installation Din-Rail Interfaces Ethernet Port 8 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots Power Supply 48-56 VDC Removable 4-pin terminal block Pin 1/2 for Power 1 Pin 3/4 for Power 2 LED Indicator PWRF: Power (green) X1, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet POE Port Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: IEEE 802.3at PoE+ Max.30 W PoE Power Supply Type End-span Power Pin Assignment Port 1-4: 1/2/4/5(+), 3/6(7)/8(-) PoE Power Budget 360W Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-TT IEEE802.3i 10 BASE-TT IEEE802.3i 10 BASE-TT	Dimensions (W*H*D)	48 * 110 * 150 mm (1.89 * 4.33 x 5.91 in)		
Protection Rating IP40 Installation Din-Rail Interfaces Ethernet Port \$\frac{8}{2} \times \time	Weight	0.58 kg (1.28 lb)		
Installation Din-Rail Interfaces Ethernet Port 2 * 8 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots Power Supply 48-56 VDC Connector Removable 4-pin terminal block Pin 1/2 for Power 1 Pin 3/4 for Power 2 ELD Indicator PWR: Power (green) X1, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet PoE Port Port Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: EEE 802.3at 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 Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control EEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS EEE802.3i 10 BASE-T IEEE802.3i 10 BASE-T IEEE802.3i 10 BASE-TX	Material	Metal		
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Ethernet Port 2 * 10/100/1000Base-T RJ45 Ports 2 * 1000Base-X SFP Slots Power Supply 48-56 VDC 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 Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: IEEE 802.3at PoE+ Max.30 W PoE Power Supply Type End-span Port 1-4: 1/2/4/5(+), 3/6/7/8(-) Port 5-8: 1/2(+), 3/6(-) PoE Power Budget 360W Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE 802.3x 10 BASE-T IEEE802.3x 10 BASE-T	Installation	Din-Rail		
Power Supply 48-56 VDC Connector Removable 4-pin terminal block Pin 1/2 for Power 2 LED Indicator PWR: Power (green) X1, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet PoE Port Power Supply Type End-span Power Pin Assignment Port 1-4: 1/2/4/5(+), 3/6/7/8(-) Pot 5-8: 1/2(+), 3/6(-) PoE Power Budget 360W Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps MAC Address Table 8 KB Flow Control EEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE 802.3i 10 BASE-T IEEE 802.3i 10 BASE-T IEEE 802.3i 10 BASE-T IEEE 802.3i 10 BASE-TX	Interfaces			
Removable 4-pin terminal block Pin 1/2 for Power 1 Pin 3/4 for Power 2 PWR: Power (green) X1, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet PoE Port Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: IEEE 802.3at 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(-) Port 5-8: 1/2(+), 3/6(-) Port 5-8: 1/2(+), 3/6(-) Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3u 100 BASE-TX	Ethernet Port			
Connector Pin 1/2 for Power 1 Pin 3/4 for Power 2 PWR: Power (green) X1, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet PoE Port Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: IEEE 802.3at 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(-) Port 5-8: 1/2(+), 3/6(-) Pot Power Budget 360W Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3u 100 BASE-T IEEE802.3u 100 BASE-TX	Power Supply	48-56 VDC		
LED Indicator X1, X2: SFP (green) Network Indicator: Link (yellow) Power over Ethernet PoE Port PoE Port PoE Port Port 1-4: IEEE 802.3st PoE++ Max.90 W Port 5-8: IEEE 802.3st 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 Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3u 10 BASE-T IEEE802.3u 100 BASE-TX	Connector	Pin 1/2 for Power 1		
PoE Port Port 1-4: IEEE 802.3bt PoE++ Max.90 W Port 5-8: IEEE 802.3at PoE+ Max.30 W PoE Power Supply Type End-span Power Pin Assignment Port 1-4: 1/2/4/5(+), 3/6/7/8(-) PoE Power Budget 360W Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3u 10 BASE-T IEEE802.3u 100 BASE-TX	LED Indicator	X1, X2: SFP (green)		
PoE Power Supply Type	Power over Ethernet			
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 Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX	PoE Port			
Poet Fin Assignment Port 5-8: 1/2(+), 3/6(-) PoE Power Budget 360W Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX	PoE Power Supply Type	End-span		
Switching Features Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Power Pin Assignment			
Switch Architecture Store-and-Forward Switching Capacity 32 Gbps Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	PoE Power Budget	360W		
Switching Capacity Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Switching Features			
Packet Forwarding Rate 16.86 Mpps MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Switch Architecture	Store-and-Forward		
MAC Address Table 8 KB Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Switching Capacity	32 Gbps		
Flow Control IEEE 802.3x pause frame for full duplex Back pressure for half duplex Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Packet Forwarding Rate	16.86 Mpps		
Standards Conformance Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	MAC Address Table	8 KB		
Regulatory Compliance FCC Part15 Class A, CE, ROHS IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Flow Control			
IEEE802.3i 10 BASE-T Standard IEEE802.3u 100 BASE-TX	Standards Conformance			
Standard IEEE802.3u 100 BASE-TX	Regulatory Compliance	FCC Part15 Class A, CE, ROHS		
	Standard	IEEE802.3u 100 BASE-TX		

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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

Installation





DIN-Rail Mounting

Package Contents



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