

NS-208PSE-4/NSM-208PSE-4 NEW

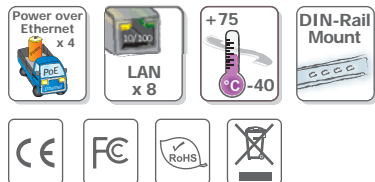
8-Port Industrial 10/100 Mbps Ethernet with 4-PoE (PSE) Switch (RoHS)

3

Unmanaged Ethernet Switches

NS-208PSE-4/NSM-208PSE-4

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NS-208PSE-4

NSM-208PSE-4



● Introduction

The NS-208PSE-4/NSM-208PSE-4 is an 8-port unmanaged Ethernet with 4-PoE (Power-over-Ethernet) switch, it supports 4-PoE port which are classified as power source equipments (PSE). The NS-208PSE-4/NSM-208PSE-4 makes centralized power supply come true and provides up to 15.4 watts of power per port. The NS-208PSE-4/NSM-208PSE-4 can be used to power IEEE802.3af compliant powered devices (PD) by Ethernet cable and eliminates the need for additional power wiring.

● Features

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports both 10/100Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 4 PoE ports with Power Sourcing Equipment (PSE) operation
- Auto-detection of PD (powered devices) and automatic power management
- Over-temperature, over-current and over/under-voltage detection
- Operating temperatures, -40 ~ +75 °C
- DIN-Rail

● Specifications

Models	NS-208PSE-4	NSM-208PSE-4
Technology		
Standards	IEEE 802.3, 802.3u, 802.3x, 802.3af (Power over Ethernet)	
Processing Type	Store & forward, wire speed switching	
MAC Addresses	1024	
Memory Bandwidth	3.2 Gbps	
Frame Buffer Memory	512 Kbit	
Flow Control	IEEE 802.3x flow control, back pressure flow control	
Interface		
RJ-45 Ports	10/100 Base-T(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection	
LED Indicators	Power, Link/Act, Power Device is detected	
Ethernet Isolation	1500 V _{rms} 1 minute	
+/-6 kV EMS Protection	Yes	
Power Input		
Input Voltage Range	+46 ~ +55 V _{dc} for PoE output	
Power Consumption	0.09 A@ 48 V _{dc} without PD loading; 1.45 A@ 48 V _{dc} with PD full loading	
Protection	Power reverse polarity protection	
Frame Ground for EMS Protection	Yes	
Connection	3-Pin Removable Terminal Block	
PoE Output		
PoE Compliance	100% IEEE 802.3af compliant	
PoE Classification	PSE (Power Sourcing Equipment)	
PoE Voltage	+46 ~ +55 V _{dc} depending on power input	
PoE Power	Up to 15.4 watts per channel	
PoE Operation	Automatic detection and power management	
Mechanical		
Casing	Plastic (Flammability UL 94V-0)	Metal (IP30 Protection)
Dimensions (W x L x H)	31 mm x 157 mm x 113 mm	25 mm x 168 mm x 119 mm
Installation	DIN-Rail	
Environmental		
Operating Temperature	-40 °C ~ +75 °C	
Storage Temperature	-40 °C ~ +85 °C	
Ambient Relative Humidity	10% ~ 90% RH, non-condensing	

LED Functions

LED Indicator Functions		
LED	Color	Description
Power	Red On	Power is On
	Red Off	Power is Off
Port 1 ~ Port 4	Orange On	Power Device is detected
Port 1 ~ Port 8	Green On	Link/Act

Pin Function for Terminal Block

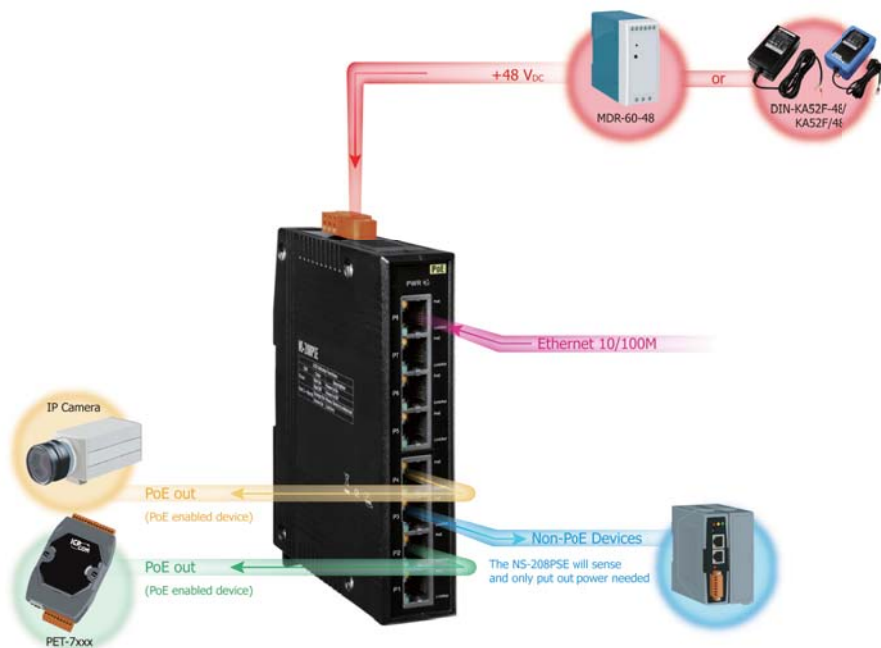
External power supply is connected using the removable terminal block:

PWR : Power input (+45 ~ +55 VDC) and should be connected to the power supply (+)

GND : Ground and should be connected to the power supply (-)

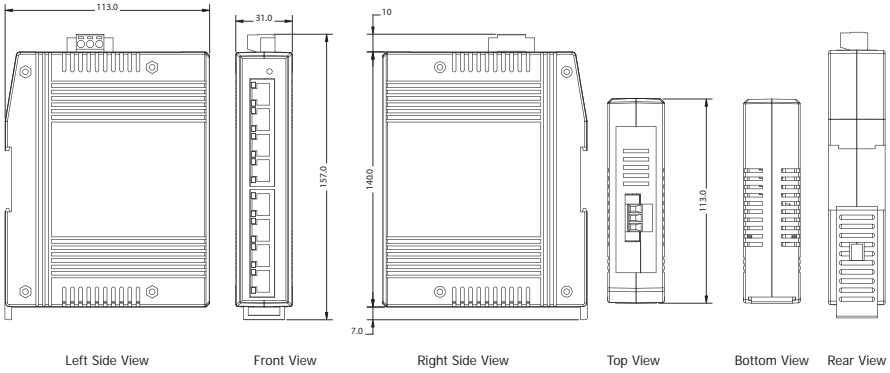
F.G. : F.G. stands for Frame Ground (protective ground). It is optional. If you use this pin, it can reduce EMI radiation; improve EMI performance and ESD protection.

Applications

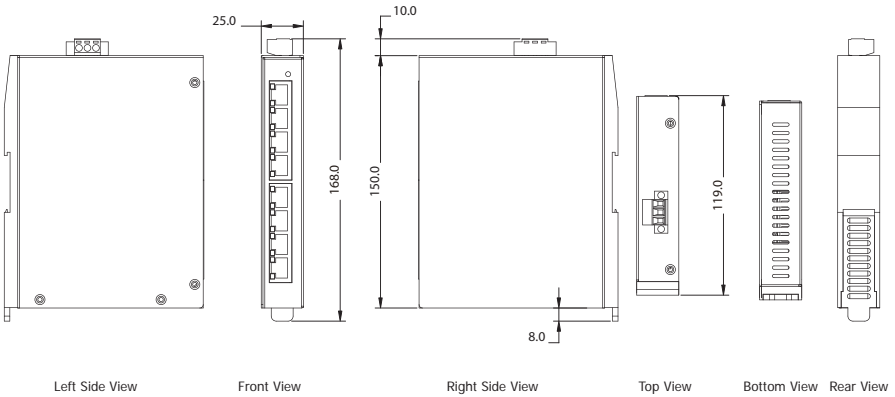


● Dimensions (Unit: mm)

NS-208PSE-4



NSM-208PSE-4



● Ordering Information

NS-208PSE-4 CR	8-Port Industrial 10/100 Mbps Ethernet with 4-PoE (PSE) Switch (RoHS)
NSM-208PSE-4 CR	8-Port Industrial 10/100 Mbps Ethernet with 4-PoE (PSE) Switch; Metal Casing (RoHS)

● Accessories

MDR-60-48 CR	48V/1.25A, 60 W Power Supply with DIN-Rail Mounting (RoHS)
DIN-KA52F-48 CR	48V/0.52A, 25 W Power Supply with DIN-Rail Mounting (RoHS)
KA52F-48 CR	48V/0.52A, 25 W Power Supply without DIN-Rail Mounting (RoHS)
DR-120-48 CR	48V/2.5A, 120 W Power Supply with DIN-Rail Mounting (RoHS)