

# NS-205PSE-24V/NSM-205PSE-24V

5-port 10/100 Mbps PoE (PSE) Ethernet Switch with +24 V<sub>DC</sub> Input

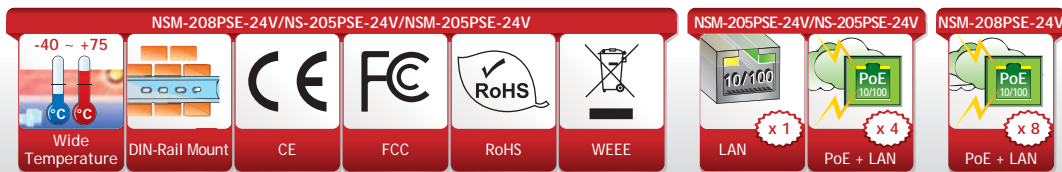
# NSM-208PSE-24V *NEW*

8-port 10/100 Mbps PoE (PSE) Ethernet Switch with +24 V<sub>DC</sub> Input

NS-205PSE-24V

NSM-205PSE-24V

NSM-208PSE-24V



## Features ▶▶▶

- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Supports operating temperatures from -40 °C ~ +75 °C
- Each port supports both 10/100 Mbps speed auto negotiation
- Power Inputs +18 V<sub>DC</sub> ~ +32 V<sub>DC</sub> For NS-205PSE-24V/NSM-205PSE
- Power Inputs +18 V<sub>DC</sub> ~ +55 V<sub>DC</sub> For NSM-208PSE-24V
- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- 3.2 Gbps high performance memory bandwidth
- IEEE 802.3af compliant PoE ports
- DIN-Rail Mounting

## Introduction

The NS-205PSE-24V/NSM-205PSE-24V is a 5-port unmanaged PoE (Power over Ethernet) Industrial Ethernet switch; it supports 4 PoE ports which are classified as power source equipment (PSE). The NSM-208PSE-24V/NS-205PSE-24V/NSM-205PSE-24V makes centralized power supply come true and provides up to 15.4 watts of power per PSE port.

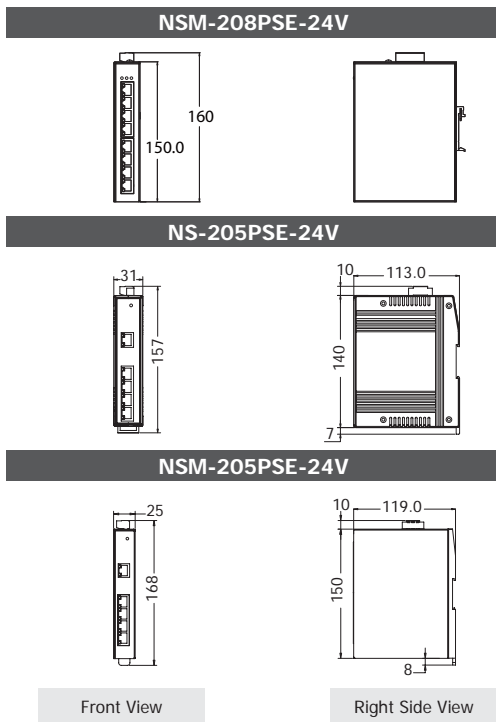
Ethernet switches are designed with +24 V<sub>DC</sub> to +48 V<sub>DC</sub> boost for PoE application where +48 V<sub>DC</sub> power supply is not available.

## Specifications

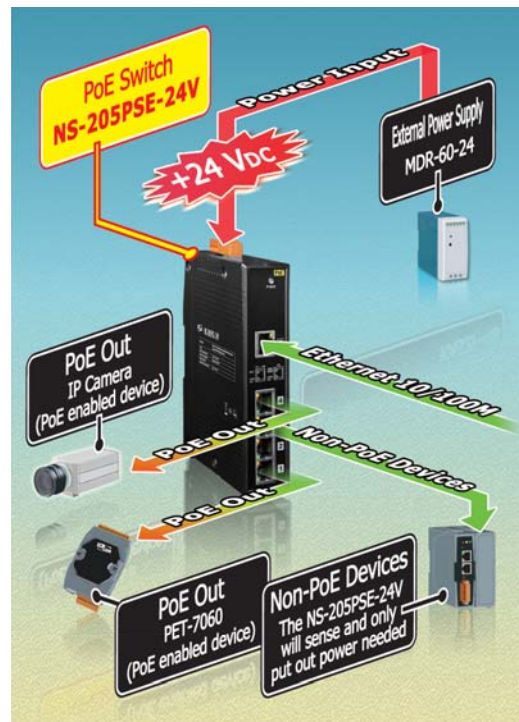
Models	NS-205PSE-24V	NSM-205PSE-24V	NSM-208PSE-24V
<b>Technology</b>			
Standards	IEEE 802.3, 802.3u, 802.3x, 802.3af (Power over Ethernet)		
Processing Type	Store & forward; wire speed switching		
MAC Addresses	1024		
Memory Bandwidth	3.2 Gbps		
Frame Buffer Memory	512 Kbit		
Flow Control	IEEE 802.3x flow control, back pressure flow control		
<b>Interface</b>			
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, 10/100M, Power Device is detected		
Ethernet Isolation	1500 V <sub>rms</sub> 1 minute		
EMS Protection	Yes		

Models	NS-205PSE-24V	NSM-205PSE-24V	NSM-208PSE-24V
<b>Power Input</b>			
Input Voltage Range	+18 Vdc ~ +32 Vdc		+18 Vdc ~ +55 Vdc
Power Consumption	0.24 A @ 24 Vdc without PD loading 3.2 A @ 24 Vdc with PD full loading		0.28 A @ 24 Vdc without PD loading 6.1 A @ 24 Vdc with PD full loading
Protection	Power reverse polarity protection		
EMS Protection	Yes		
Connector	3-Pin Removable Terminal Block		6-Pin Removable Terminal Block
<b>PoE Technology</b>			
PoE Compliance	100% IEEE 802.3af compliant		
PoE Classification	PSE (Power Sourcing Equipment)		
PoE Power	Up to 15.4 watts per channel		
PoE Operation	Automatic detection and power management		
PoE Pin Assignments	V+ (Pin 1, 2), V- (Pin 3, 6)		
<b>Mechanical</b>			
Casing	Plastic	Metal (IP30 Protection)	
Dimensions (W x L x H) (Units: mm)	31 x 113 x 157	25 x 119 x 168	28 x 120 x 160
Installation	DIN-Rail Mounting		
<b>Environment</b>			
Operating Temperature	-40 °C ~ +75 °C		
Storage Temperature	-40 °C ~ +85 °C		
Ambient Relative Humidity	10% ~ 90% RH, non-condensing		

**Dimensions (Units: mm)**



**Applications**



**Ordering Information**

NS-205PSE-24V CR	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch; +24 Vdc Input (RoHS)
NSM-205PSE-24V CR	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch with Metal Casing; +24 Vdc Input (RoHS)
NSM-208PSE-24V CR	Unmanaged 8-port 10/100 Mbps PoE (PSE) Ethernet Switch with Metal Casing; +24 Vdc Input (RoHS)

**Accessories**

DP-1200	24 V/5 A, 120 W Power Supply with DIN-Rail Mounting
MDR-60-24	24 V/2.5 A, 60 W Power Supply with DIN-Rail Mounting
DR-120-24	4 V/5 A, 120 W Single Output Industrial DIN Rail Power Supply
SDR-240-24	24 V/10 A, 240 W Single Output Industrial DIN Rail Power Supply with PFC Function