

NS-205PSE

NS-105PSE



### Features ▶▶▶

- Automatic MDI/MDI-X crossover for plug-and-play
- 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 +46 V<sub>DC</sub> ~ +55 V<sub>DC</sub>
- Store-and-forward architecture
- 3.2 Gbps high performance memory bandwidth
- IEEE 802.3af compliant PoE ports
- Slim packaging fits on your DIN-Rail Mounting

### Introduction

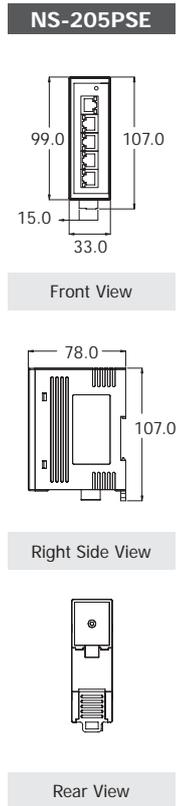
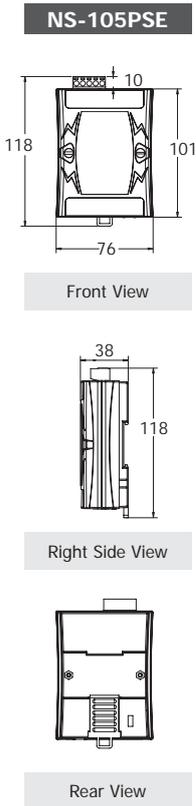
The NS-105PSE/NS-205PSE is a 5-port unmanaged PoE (Power over Ethernet) Industrial Ethernet switch; it supports 4 PoE ports which are classified as power source equipment (PSE). The NS-105PSE/NS-205PSE makes centralized power supply come true and provides up to 15.4 watts of power per PSE port.

### Specifications

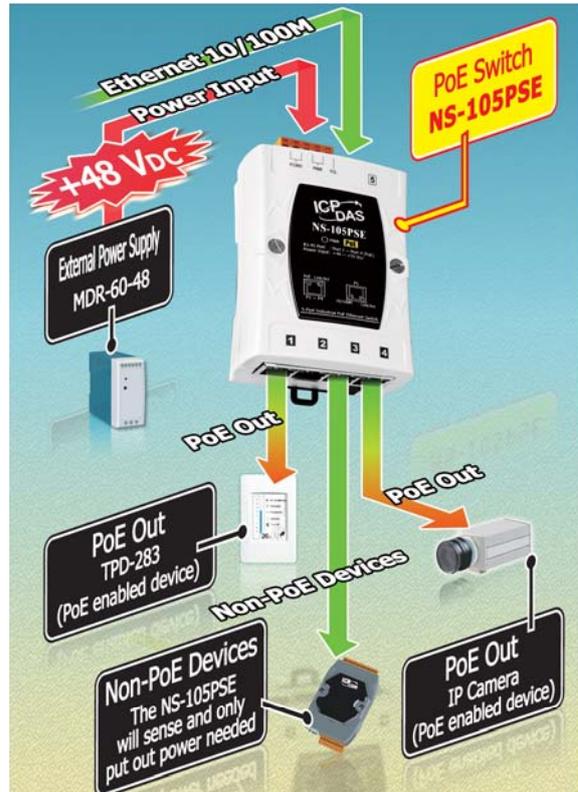
Models	NS-105PSE	NS-205PSE
<b>Technology</b>		
<b>Standards</b>	IEEE 802.3, 802.3u, 802.3x, 802.3af (Power over Ethernet)	
<b>Processing Type</b>	Store & forward; wire speed switching	
<b>MAC Addresses</b>	1024	
<b>Memory Bandwidth</b>	3.2 Gbps	
<b>Frame Buffer Memory</b>	512 Kbit	
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	
<b>Interface</b>		
<b>RJ-45 Ports</b>	10/100 Base-T(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection	
<b>LED Indicators</b>	Power, Link/Act, 10/100M, Power Device is detected	
<b>Ethernet Isolation</b>	1500 V <sub>rms</sub> 1 minute	
<b>EMS Protection</b>	Yes	

Models	NS-105PSE	NS-205PSE
<b>Power Input</b>		
Input Voltage Range	+46 Vdc ~ +55 Vdc	
Power Consumption	0.05 A @ 48 Vdc without PD loading 1.45 A @ 48 Vdc with PD full loading	
Protection	Power reverse polarity protection	
EMS Protection	Yes	
Connector	5-Pin Removable Terminal Block	3-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)	
PoE Disconnect Mode	DC disconnect	
<b>Mechanical</b>		
Casing	Plastic (Flammability UL 94V-0)	
Dimensions (W x L x H)	76 mm x 38 mm x 118 mm	33 mm x 78 mm x 107 mm
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-105PSE CR	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch (RoHS)
NS-205PSE CR	Unmanaged 5-port 10/100 Mbps PoE (PSE) Ethernet Switch (RoHS)

**Accessories**

DR-120-48	48V/2.5A, 120 W Power Supply with DIN-Rail Mounting
MDR-60-48	24V/1.25A, 60 W Power Supply with DIN-Rail Mounting
DIN-KA52F-48	48V/0.52A, 25 W Power Supply with DIN-Rail Mounting