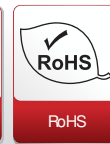
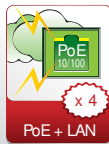


# NS-105PSE/NS-205PSE

5-port 10/100 Mbps PoE (PSE) Ethernet Switch

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
- IEEE 802.3af compliant PoE ports
- Slim packaging fits on your DIN-Rail Mounting

## Introduction

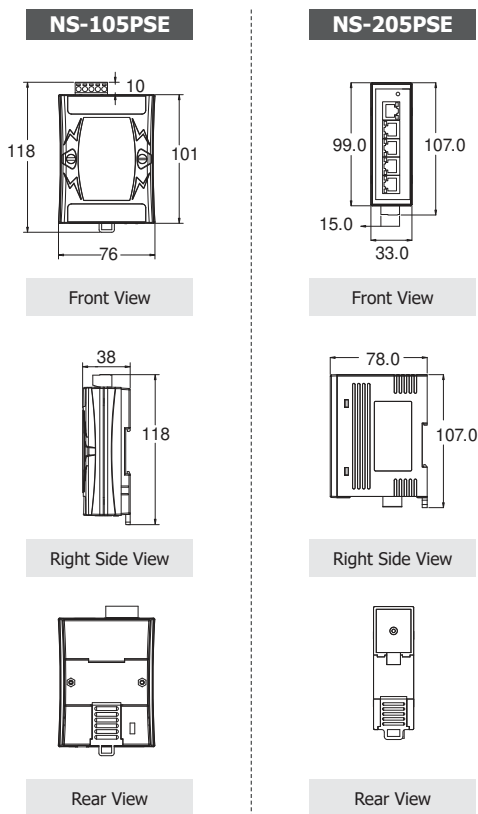
The NS-105PSE/NS-205PSE is a 5-port unmanaged PoE (Power over Ethernet) Industrial Ethernet switch; it supports 4 PoE ports which are classified as power source equipment (PSE). The NS-105PSE/NS-205PSE makes centralized power supply come true and provides up to 15.4 watts of power per PSE port.

## 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>	2048	
<b>Frame Buffer Memory</b>	768 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>		
<b>Input Voltage Range</b>	+46 Vdc ~ +55 Vdc	
<b>Power Consumption</b>	0.05 A @ 48 Vdc without PD loading 1.45 A @ 48 Vdc with PD full loading	
<b>Protection</b>	Power reverse polarity protection	
<b>EMS Protection</b>	Yes	
<b>Connector</b>	5-Pin Removable Terminal Block	3-Pin Removable Terminal Block
<b>PoE Technology</b>		
<b>PoE Compliance</b>	100% IEEE 802.3af compliant	
<b>PoE Classification</b>	PSE (Power Sourcing Equipment)	
<b>PoE Power</b>	Up to 15.4 watts per channel	
<b>PoE Operation</b>	Automatic detection and power management	
<b>PoE Pin Assignments</b>	V+ (Pin 1, 2), V- (Pin 3, 6)	
<b>PoE Disconnect Mode</b>	DC disconnect	
<b>Mechanical</b>		
<b>Casing</b>	Plastic (Flammability UL 94V-0)	
<b>Dimensions (W x L x H)</b>	76 mm x 118 mm x 38 mm	33 mm x 107 mm x 78 mm
<b>Installation</b>	DIN-Rail Mounting	
<b>Environment</b>		
<b>Operating Temperature</b>	-40 °C ~ +75 °C	
<b>Storage Temperature</b>	-40 °C ~ +85 °C	
<b>Ambient Relative Humidity</b>	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