NS-105PSE/NS-205PSE NEW

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

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_{DC} ~ +55 V_{DC}
- 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.

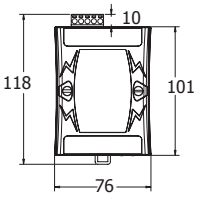
Specifications

Models	NS-105PSE	NS-205PSE
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 , 10/100M, Power Device is detected	
Ethernet Isolation	1500 V_{rms} 1 minute	
EMS Protection	Yes	

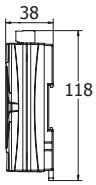
Models	NS-105PSE	NS-205PSE
Power Input		
Input Voltage Range	+46 VDC ~ +55 VDC	
Power Consumption	0.05 A @ 48 VDC without PD loading 1.45 A @ 48 VDC with PD full loading	
Protection	Power reverse polarity protection	
EMS Protection	Yes	
Connector	3-Pin Removable Terminal Block	
PoE Technology		
PoE Compliance	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, 3), V- (Pin 2, 4)	
PoE Disconnect Mode	DC disconnect	
Mechanical		
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	
Environment		
Operating Temperature	-40 °C ~ +75 °C	
Storage Temperature	-40 °C ~ +85 °C	
Ambient Relative Humidity	10% ~ 90% RH, non-condensing	

Dimensions (Units: mm)

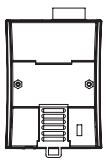
NS-105PSE



Front View

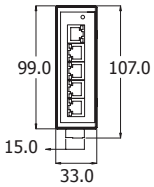


Right Side View

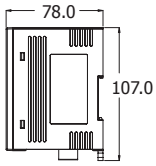


Rear View

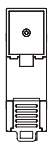
NS-205PSE



Front View

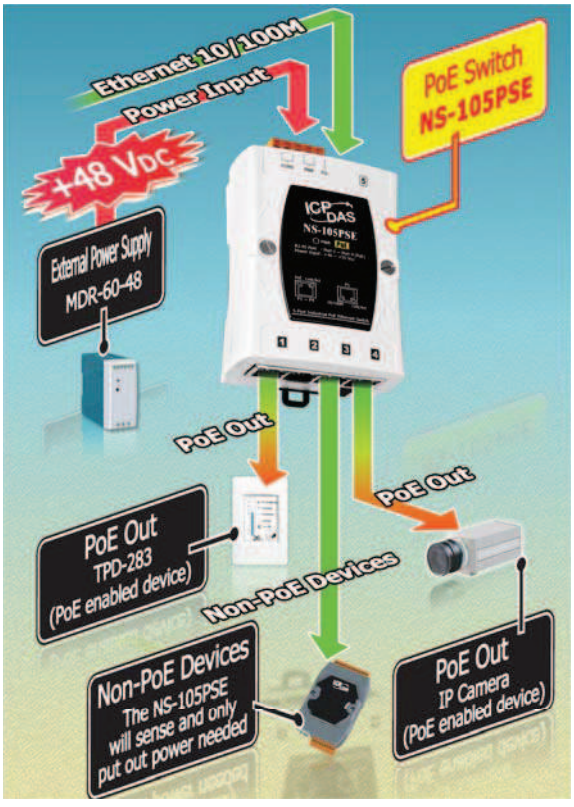


Right Side View



Rear View

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