NS-208A/NSM-208A

Unmanaged 8-Port Industrial 10/100 Mbps Ethernet Switch



Introduction

The NS-208A/NSM-208A has 8 Ethernet ports that support 10/100 Base-TX, with a 10/100M auto negotiation feature andauto MDI/ MDI-X function.

All Ethernet ports have memory buffers that support the store-and -forward mechanism, which assures that data can be transmitted properly. The NS-208A/NSM-208A supports advanced network standards to optimize network performance, reduce maintenance costs, and secure network safety.

The flow control mechanism is also negotiated. There is link/data rate LEDs for each port to aid troubleshooting. Port connectors are shielded RJ-45.

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
- Operating temperatures, –40 ~ +75°C
- DIN-Rail

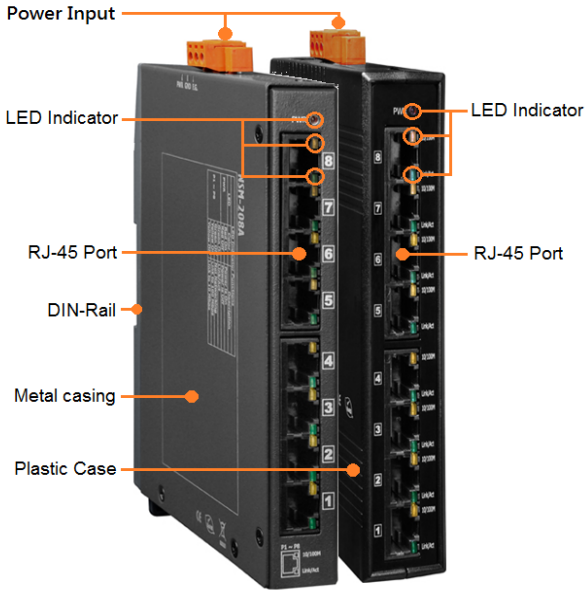
Specifications

Models	NS-208A	NSM-208A
Technology		
Standards	IEEE 802.3, 802.3u, 802.3x	
Processing Type	Store & forward, wire speed switching	
MAC Addresses	2048	
Frame buffer memory	768 Kbit	
Flow Control	IEEE802.3x flow control, back pressure flow control	
Interface		
RJ45 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	
Ethernet Isolation	1500 Vrms 1 minute	
Power Input		
Input Voltage Range	+12 ~ +48 VDC	
Power consumption	0.2 A@ 24 VDC	
Protection	Power reverse polarity protection	
EMS Protection	Yes	
Connection	3-Pin Removable Terminal Block	
Mechanical		
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	

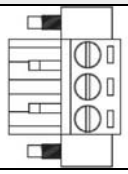
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LED Indicator Functions

LED	Color	Description
Power	Red On	Power is On
	Red Off	Power is Off
Port1 ~ 8	Yellow On	Link to 100 Mbps
	Yellow Off	Link to 10 Mbps
	Green On	Link/Act
	Green Off	Not Networking

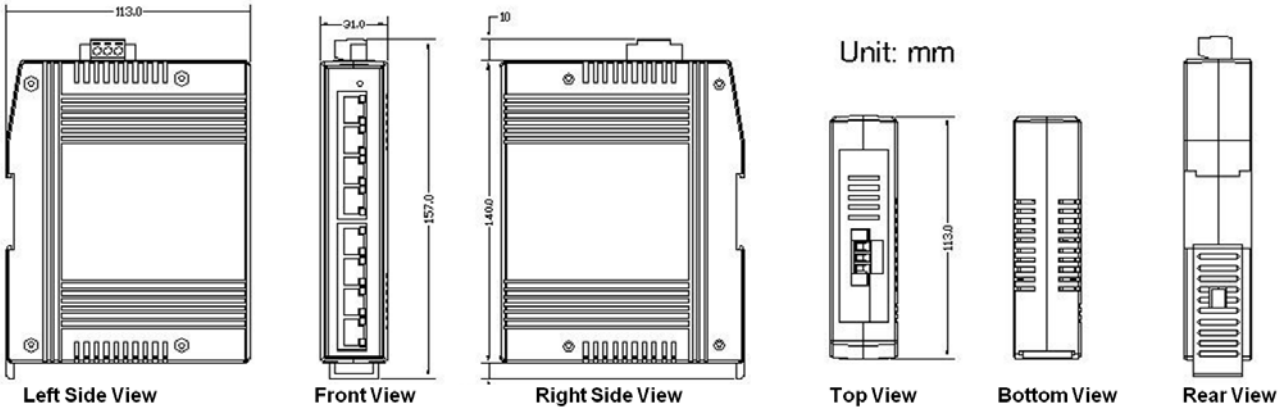


Pin assignment

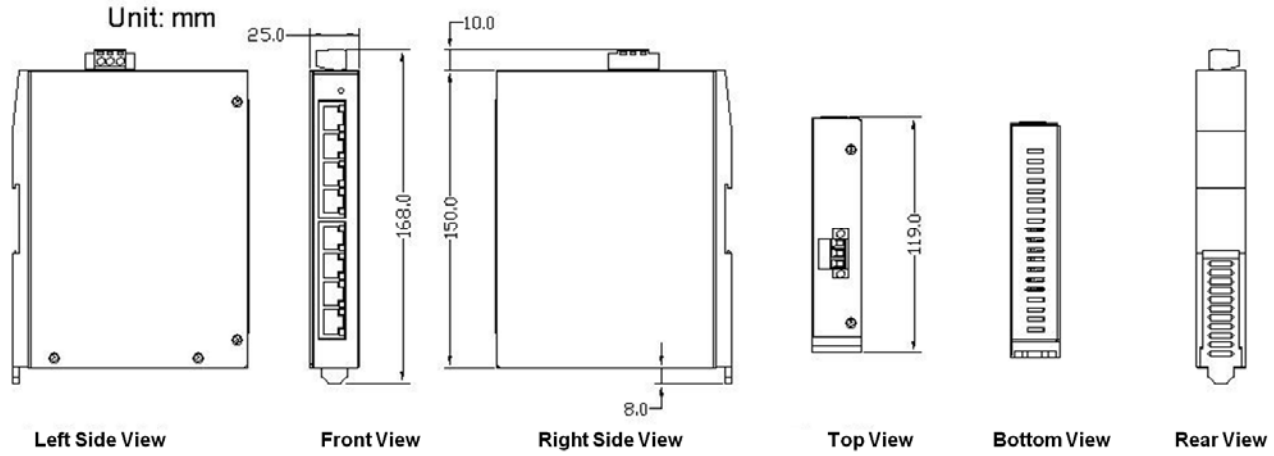
Pin	Terminal No.	Function
F.G		Frame Ground.
GND		Power Ground.
+VS		+12 ~ +48 VDC

Dimensions

NS-208A



NSM-208A



Accessories

MDR-60-48	48 V/1.25 A, 60 W Power Supply with DIN-Rail Mounting
DIN-KA52F-48	48 V/0.5 2A, 25 W Power Supply with DIN-Rail Mounting
KA52F-48	48 V/0.52 A, 25 W Power Supply without DIN-Rail Mounting

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