NS-208A/NSM-208A NEW

8-port Industrial 10/100 Mbps Ethernet Switch

NS-208A   NSM-208A

Highlight Information ▶▶▶▶

LAN x 8 10/100 | +75 °C -40 | DIN-Rail Mount

CE   FC   RoHS

Features ▶▶▶▶

- Cost-effective
- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control

- Each port supports both 10/100 Mbps speed auto negotiation
- Supports +12 ~ +48 V_{DC} power input
- Supports operating temperatures from -40 °C ~ +75 °C
- DIN-Rail

Introduction

The NS-208A/NSM-208A has 8 Ethernet ports that support 10/100 Base-TX, with a 10/100M auto negotiation feature and auto 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.
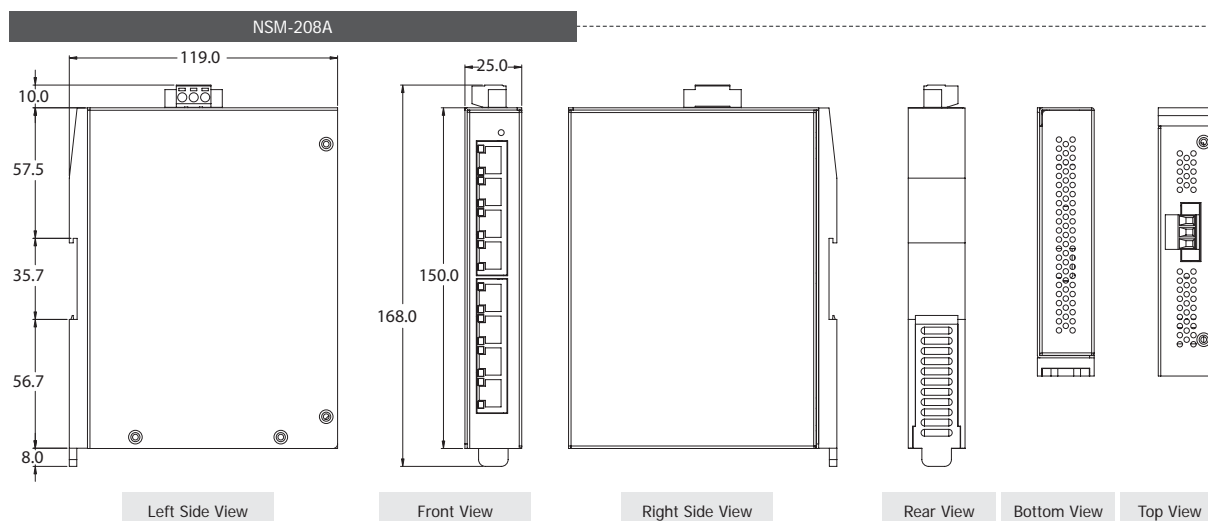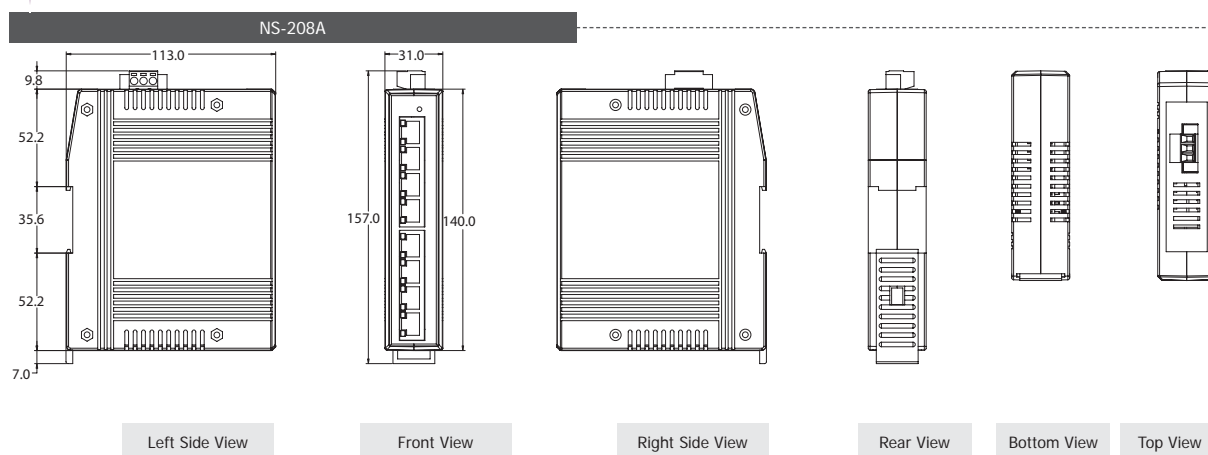
Comparison Table of 8-Port 10/100 Mbps Ethernet switch

Mode Name	NS-208	NSM-108	NS-208A	NSM-208A	NS-208R
Input Voltage Range	+10 ~ 30 V_{DC}		+12 ~ 48 V_{DC}		
Casing	Plastic	Metal	Plastic	Metal	Plastic
Installation	DIN-Rail	DIN-Rail or Wall Mounting	DIN-Rail		
Dimensions (W x H x D) (Unit: mm)	64 x 98 x 118	73 x 102 x 132	31 x 157 x 113	25 x 168 x 119	64 x 98 x 118
Remarks	–		Cost-effective		EN50155-certified

Specifications

Models	NS-208A	NSM-208A
Technology		
Standards	IEEE 802.3, 802.3u, 802.3x	
Processing Type	Store & forward; wire speed switching	
MAC Addresses	1024	
Memory Bandwidth	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	
Ethernet Isolation	1500 V_{rms} 1 minute	
EMS Protection	Yes	

Models	NS-208A	NSM-208A
Power Input		
Input Voltage Range	+12 ~ +48 V$_{DC}$	
Power Consumption	0.2 A @ 24 V$_{DC}$	
Protection	Power reverse polarity protection	
EMS Protection	Yes	
Connection	3-Pin Removable Terminal Block	
Mechanical		
Casing	Plastic (Flammability UL 94V-0)	Metal (IP30 Protection)
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	
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-208A

| Left Side View | Front View | Right Side View | Rear View | Bottom View | Top View |

NSM-208A

| Left Side View | Front View | Right Side View | Rear View | Bottom View | Top View |

Ordering Information

NS-208A CR	Unmanaged 8-port Industrial 10/100 Mbps Ethernet Switch (RoHS)
NSM-20A CR	Unmanaged 8-port Industrial 10/100 Mbps Ethernet Switch with Metal Casing (RoHS)

PLCDirect ™
Benelux