

# NS-208/NSM-108

Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch



## Highlight Information >>>>

NS-208/NSM-108



For NSM-108



For NS-208



## Features >>>>

- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- 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
- 2 Gbps high performance memory bandwidth
- Supports +10 ~ +30 V<sub>DC</sub> power input
- DIN-Rail Mounting

## Introduction

The NS-208/NSM-108 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-208/NSM-108 supports advanced network standards to optimize network performance, reduce maintenance costs, and secure network safety.

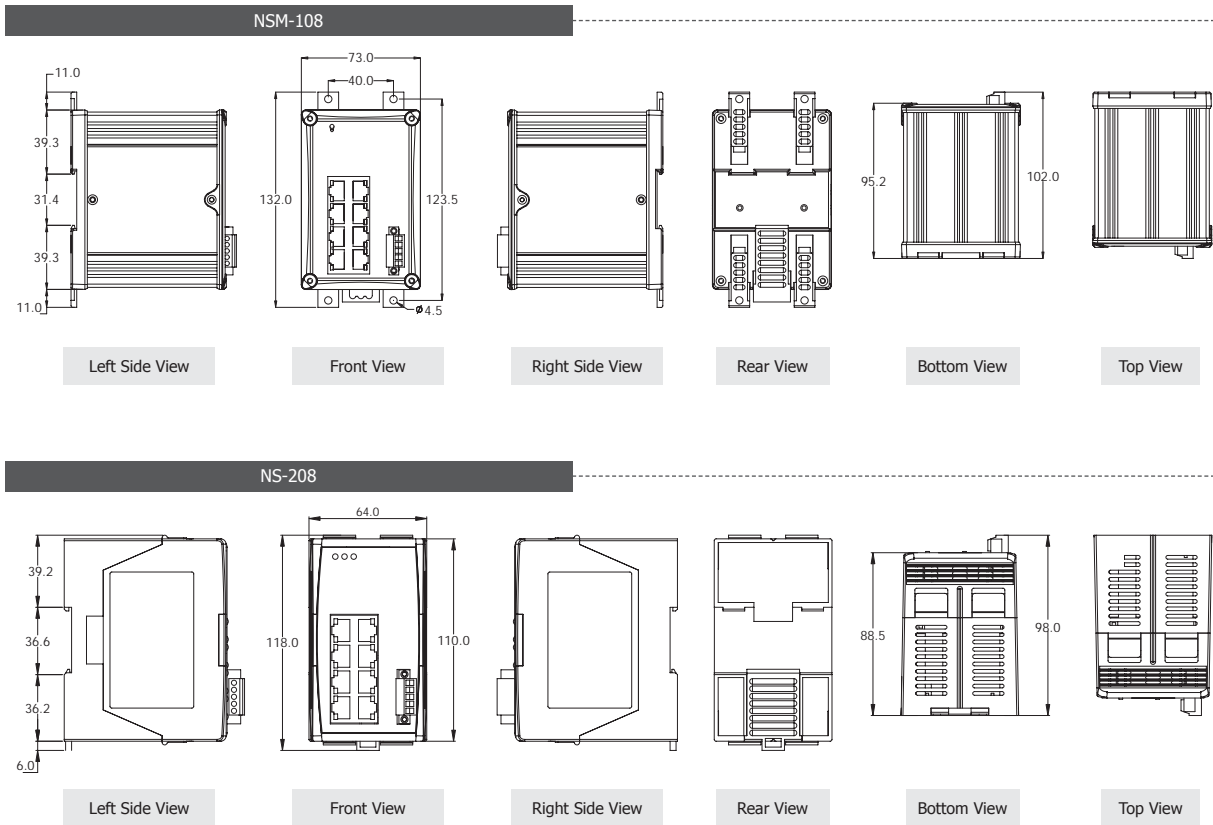
The flow control mechanism is also negotiated. There is link/data rate LEDs for each port to aid troubleshooting. Port connectors are shielded RJ-45.

## Specifications

Models	NS-208	NSM-108
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 <sub>rms</sub> 1 minute	
Frame Ground for EMS Protection	Yes	
Cable	Ethernet	2-pair UTP/STP Cat.3, 4, 5, EIA/TIA-568 100 Ω
	Fast Ethernet	2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω

Models	NS-208	NSM-108
<b>Power</b>		
Input Voltage Range	+10 ~ +30 Vdc (Non-isolated)	
Power Consumption	0.15 A @ 24 Vdc	
Protection	Power reverse polarity protection	
Frame Ground for EMS Protection	Yes	
Connector	5-Pin Removable Terminal Block	
<b>Mechanical</b>		
Casing	Plastic	Metal
Flammability	UL 94V-0	IP20 Protection
Dimensions (W x L x H)	64 mm x 98 mm x 118 mm	73 mm x 102 mm x 132 mm
Installation	DIN-Rail Mounting	DIN-Rail Mounting or Wall 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)**



**Ordering Information**

NS-208 CR	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch with Power Input +10 Vdc ~ +30 Vdc (RoHS)
NSM-108 CR	Unmanaged 8-Port Industrial 10/100 Base-TX Ethernet Switch with Power Input +10 Vdc ~ +30 Vdc, metal casing (RoHS)

**Accessories**

MDR-60-24 CR	24V/2.5A, 60 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-20-24 CR	24V/1.0A, 24 W Power Supply with DIN-Rail Mounting (RoHS)
DIN-KA52F CR	24V/1.04A, 25 W Power Supply with DIN-Rail Mounting (RoHS)