NS-208R NEW

EN50155 8-port Industrial 10/100 Mbps Ethernet Switch

Highlight Information ▶▶▶▶

Features ▶▶▶▶

- EN50155-certified for harsh railway standards
- 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

NS-208R Ethernet switch is designed for industrial applications, such as rolling stock, vehicle, and railway applications. The NS-208R is an unmanaged Ethernet switch with 8x10/100Base-T(X) ports which is compliant with EN50155 request.
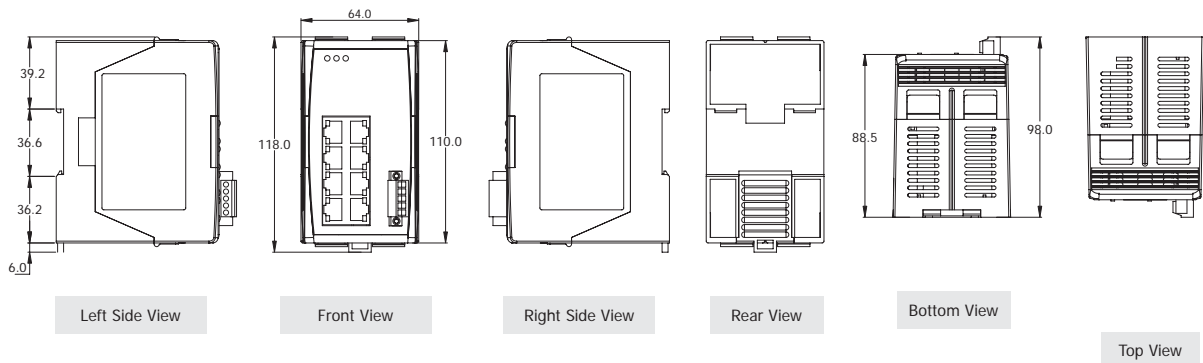
NS-208R provides a wide 12 to 48 V_{DC} power range to fit all the common power standards found in industrial automation, without external power converters. The wide power input lowers installation and maintenance costs.

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.

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Specifications

Technology	
Standards	IEEE 802.3, 802.3u, 802.3x
Processing Type	Store & forward; wire speed switching
MAC Addresses	2048
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
Ethernet Isolation	1500 V_{rms} 1 minute
EMS Protection	Yes
Power Input	
Input Voltage Range	+12 ~ +48 V_{DC}
Power Consumption	0.15 A @ 24 V_{DC}
Protection	Power reverse polarity protection
EMS Protection	Yes
Connection	5-Pin Removable Terminal Block
Mechanical	
Casing	Plastic (Flammability UL 94V-0)
Dimensions (W x L x H)	64 mm x 98 mm x 118 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)

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

Ordering Information

NS-208R CR	Unmanaged EN50155 8-port Industrial 10/100 Mbps Ethernet Switch (RoHS)

Accessories

MDR-60-48	48 V/1.25 A, 60 W Power Supply with DIN-Rail Mounting
DIN-KA52F-48	48 V/0.52 A, 25 W Power Supply with DIN-Rail Mounting
KA52F-48	48 V/0.52 A, 25 W Power Supply