NS-208R
Industrial 8-Port 10/100 Mbps Ethernet Switch with Conformal Coating

Introduction:

The NS-208R has 8 Ethernet Switching ports that support 10/100Base-T(X), with a 10/100M auto-negotiation feature and auto MDI/MDI-X function.

It can connect 8 workstations and automatically switches the transmission speed (10 Mbps or 100 Mbps) for corresponding connections. The flow control mechanism is also negotiated.

NS-208R is designed especially for mission critical and harsh environmental applications since it comes ready with conformal coating

Features:

- Automatic MDI/MDI-X crossover for plug-and-play
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Store-and-forward
- Supports 4 kV Ethernet ESD protection
- Provides ESD protection 4 kV, EFT protection 3 kV and Surge protection 2 kV for power line
- 2 Gbps high performance memory bandwidth.
- Supports +12 ~ 48V DC voltage
- Supports operating temperatures from –40 ~ +75 ℃
- DIN-Rail

Specifications:

- Compatibility:IEEE 802.3, IEEE802.3u, IEEE802.3x
- Frame buffer memory: 512 Kbit
- Address Table Size: 1024
- Interface: 10/100 Base-T(X)
- Port: 10/100 Mbps x 8 (Shielded RJ-45 Jack)
- Provides LEDs for network and power monitoring
- Environment:
  - Operating temperature: –40 ~ +75 ℃
  - Storage Temperature: –40 ~ +85 ℃
  - Relative Humidity: 10 ~ 90% HR, non-condensing
- NS-208 Dimensions: 64mm x 98mm x 118mm (W x L x H)
- Power requirements: +12 ~ 48V DC (Removable Terminal Block)
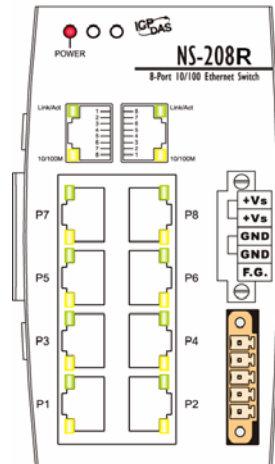- Power consumption: 0.15A@24VDC

LED functions:

Standard RJ45 female connectors are provided. A standard RJ45 plug cable is all that is necessary to connect your device to the unit since switch that supports auto crossover. Table shows the LED indicator functions. The module includes an internal.
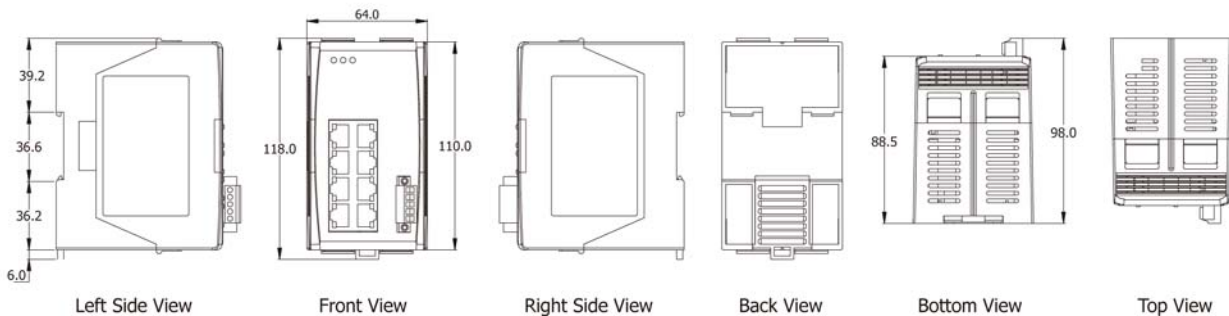
Table

LED	Color	Description
Power	Red On	Power is On
	Red Off	Power is Off
Ethernet Port	Green On	Link/Act
	Green Off	Not Networking
	Yellow On	Link to 100 Mbps
	Yellow Off	Link to 10 Mbps

Dimensions:

Pin Function For Terminal Block:

External power supply is connected using the removable terminal block:

+Vs : Power input +12 ~ 48VDC

GND : Ground

F.G. : F.G. stands for Frame Ground (protective ground). It is optional. If you use this pin, it can reduce EMI radiation; improve EMI performance and ESD protection.