



## NSM-208GP

Unmanaged 8-Port GbE PoE(PSE) Switch  
with +24VDC Input

### Features

- Supports +24~+53VDC redundant power input
- IEEE802.3at PoE, per port supply up to 30W



### Introduction

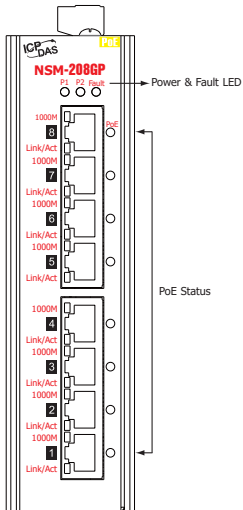
The NSM-208GP is 8 port GbE PoE (Power over Ethernet) Switch, Supports auto-negotiation, flow control and auto MDI/MDI-X function, providing up to 30W per port and independent PoE status LED can easily and quickly eliminate abnormalities.

NSM-208GP features redundant & boost power design for use PoE application without 48V Power supply.

### Specifications

| EMS Protection              |   |
|-----------------------------|---|
| EFT (IEC 61000-4-4)         | ± 1 kV  |
| ESD (IEC 61000-4-2)         | ± 4 kV Contact  |
| LED Indicators              |   |
| Status                      | P1, P2, Fault, Link/Act, 1000M, PoE   |
| Ethernet                    |   |
| Ports                       | 8 x RJ-45, 10/100/1000 Base-T   |
| Standards                   | IEEE 802.3 for 10BaseT<br>IEEE 802.3u for 100BaseT(X)<br>IEEE 802.3ab for 1000BaseT(X)<br>IEEE 802.3x for flow control<br>IEEE 802.3af/at for PoE |
| Processing Type             | Store & forward   |
| MAC Table                   | 4 K   |
| Frame Buffer Memory         | 1.5 Mbit  |
| Jumbo Frames                | 9 K   |
| Isolation                   | 1500 Vrms 1 minute  |
| PoE Technology              |   |
| PoE Compliance              | 100% IEEE 802.3at compliant   |
| PoE Power                   | Up to 30 watts per port   |
| PoE Pin Assignments         | V+ (Pin 1, 2), V- (Pin 3, 6), Alternative A   |
| PoE Voltage                 | +52 VDC   |
| Power                       |   |
| Reverse Polarity Protection | Yes   |
| Input Range                 | +24 ~ 53 VDC Redundant dual Input   |
| Redundant Power Inputs      | Yes   |
| Consumption                 | 0.20 A @ 24 VDC without PD loading  |
| Alarm Output                | Yes, Relay 1 A @ 30 VDC   |
| Mechanical                  |   |
| Casing                      | Metal   |
| Dimensions (mm)             | 42 x 164 x120 mm  |
| Installation                | DIN-rail mounting or wall mounting (optional)   |
| Environment                 |   |
| Operating Temperature       | -25 °C ~ +75 °C   |
| Storage Temperature         | -40 °C ~ +85 °C   |
| Humidity                    | 10% ~ 90% RH, non-condensing  |

## LED Indicator Functions

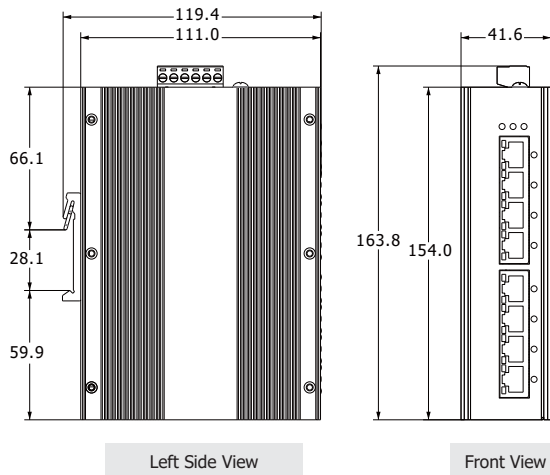


| LED           | Color     | Description                                 |
|---------------|-----------|---|
| P1            | Green On  | Power is being supplied to power input PWR1 |
| P2            | Green On  | Power is being supplied to power input PWR2 |
| Fault         | Green On  | Power fail & Alarm relay close              |
| PoE           | Red       | Power Device is detected                    |
| Ethernet Port | Green On  | Link/Act                                    |
|               | Orange On | Link to 1000 Mbps                           |

## Pin Function for Terminal Block

| Pin | Function | Description                           |
|-----|----------|---------------------------------------|
| 1   | PWR1     | 24 ~ 53 VDC for Power1                |
| 2   | GND      | Power Ground                          |
| 3   | PWR2     | 24 ~ 53 VDC for Power2                |
| 4   | GND      | Power Ground                          |
| 5   | RL_COM   | Power alarm relay                     |
| 6   | RL_NO    | Relay close for PWR1 or PWR2 is fault |

## Dimensions (Units: mm)



## Ordering Information

|                     |   |
|---------------------|---|
| <b>NSM-208GP CR</b> | Unmanaged 8-Port GbE PoE(PSE) Switch with +24VDC Input (RoHS) |
|---------------------|---|

## Accessories (Optional)

|                      |  |
|----------------------|--|
| <b>SDR-240-24 CR</b> | Power Supply, 88~264 VAC to 24 VDC/10 A, 240 W, DIN-rail mounting (RoHS) |
| <b>ASO-0015 CR</b>   | Wall Mount Kit (W:28mm) (RoHS)   |