



Features ▶▶▶

- Full Gigabit Ethernet ports
- Supports 10 KB jumbo frames
- Pluggable SFP transceiver port
- Supports Dual +10 ~ 30 V_{DC} power input and 1 relay output
- Supports operating temperatures from -40 ~ +75°C
- DIN-Rail Mounting, Wall Mounting (optional)

Introduction

The NSM-205G-1SFP is 4 Port 10/100/1000 Base copper and 1 Gigabit fiber optic/copper combo port Ethernet Switch, Supports Auto Negotiation, Auto MDI/MDI-X, high-speed(1Gbps) and high-distance transmissions. Apart from this, NSM-205G-1SFP supports dual power and provides +10 V_{DC} ~ +30 V_{DC} power range to fit all the common power standards found in industrial automation, without external power converters.

Specifications

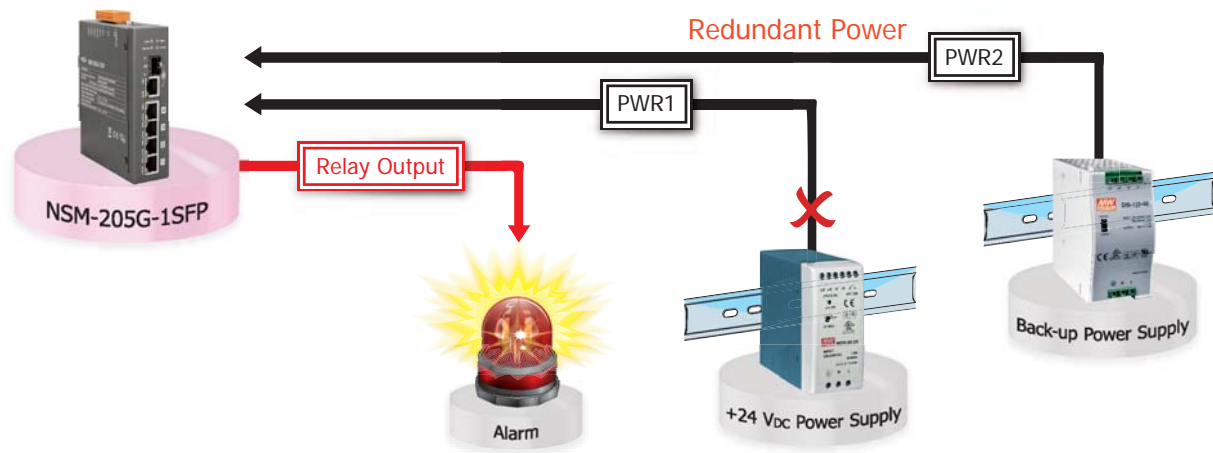
| | |
|------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Technology | |
| Standards | IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow Control |
| Processing Type | Store & forward, wire speed switching |
| MAC Addresses | 8K |
| Memory Bandwidth | 10 Gbps |
| Frame buffer memory | 1 Mbit |
| Jumbo Frames | 10K for Speed 1000M |
| Flow Control | IEEE802.3x flow control, back pressure flow control |
| Interface | |
| RJ-45 Ports | 10/100/1000 BaseT(X), 10/100BaseT(X) auto negotiation speed, full/half duplex mode, and auto MDI/MDI-X connection |
| Fiber Ports | 1000 BaseSFP slot/100 BaseSFP slot |
| LED Indicators | PWR1, PWR2, Power fail, 10/100M, 1000M, Link/Act, Power Device is detected |
| Ethernet Isolation | 1500 Vrms 1 minute |
| DIP Switch | 100 BaseSFP/1000 BaseSFP setting |
| Power Input | |
| Redundant Input Range | +10 VDC ~ +30 VDC (Non-isolated) |
| Power Consumption | 0.15A @ 24 Vdc |
| Alarm Contact | One relay output with current carrying capacity of 1A @ 30 Vdc |
| Protection | Power reverse polarity protection |
| Connector | 6-Pin Removable Terminal Block (Power & Relay) |

| Mechanical | |
|---------------------------|-----------------------------------------------|
| Casing | Metal with an IP30 ingress protection rating |
| Dimensions (W x L x H) | 33 mm x 131 mm x 101 mm |
| Installation | DIN-Rail or Wall Mounting (with optional kit) |
| Environmental | |
| Operating Temperature | -40 °C ~ +75 °C (-40 °F to 167 °F) |
| Storage Temperature | -40 °C ~ +85 °C (-40 °F to 185 °F) |
| Ambient Relative Humidity | 10% ~ 90% RH, non-condensing |

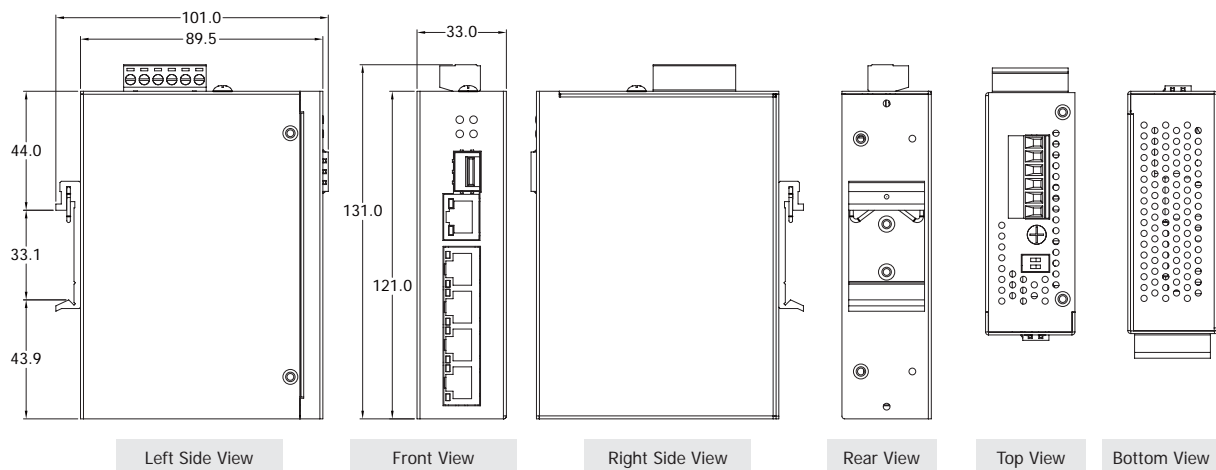
Redundant Power Input

Both power inputs can be connected simultaneously to live DC power sources.

If one power source fails, the other live source will act as a backup, and automatically supplies all of NSM-205G-1SFP series power needs.



Dimensions (Units: mm)



Ordering Information

| | |
|------------------|---------------------------------------------------------------------|
| NSM-205G-1SFP CR | 4+1G Combo Port Gigabit Unmanaged Industrial Ethernet Switch (RoHS) |
|------------------|---------------------------------------------------------------------|

Accessories

| | |
|------------|-----------------------------------------------------------------------------------|
| DR-120-24 | 24 V/5 A, 120 W Single Output Industrial DIN Rail Power Supply |
| SDR-240-24 | 24 V/10 A, 240 W Single Output Industrial DIN Rail Power Supply with PFC Function |