



### Features ▶▶▶

- Full Gigabit Ethernet ports
- Supports 10 KB jumbo frames
- Pluggable SFP transceiver port
- Supports Dual +10 ~ 30 V<sub>DC</sub> 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<sub>DC</sub> ~ +30 V<sub>DC</sub> power range to fit all the common power standards found in industrial automation, without external power converters.

### Specifications

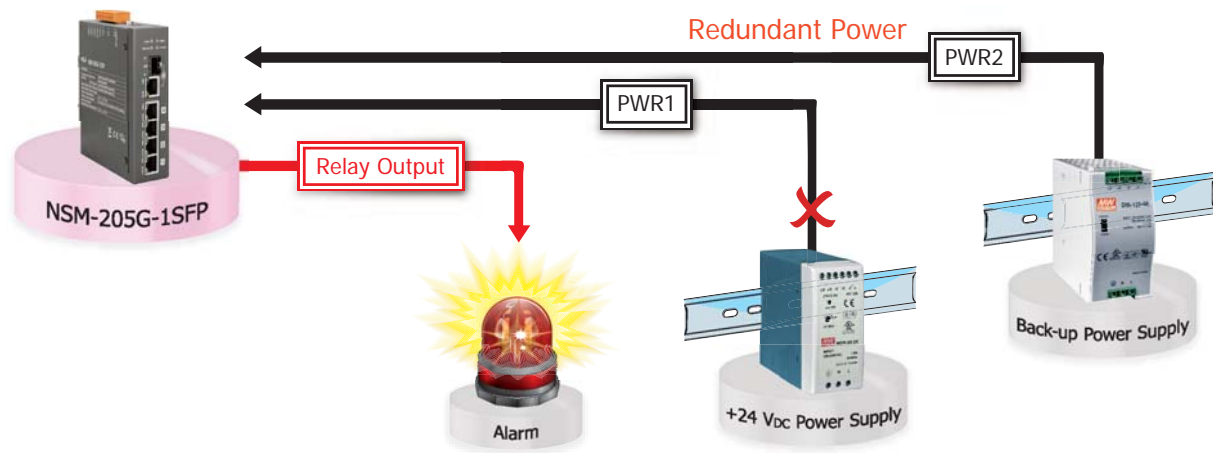
<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow Control
<b>Processing Type</b>	Store & forward, wire speed switching
<b>MAC Addresses</b>	8K
<b>Memory Bandwidth</b>	10 Gbps
<b>Frame buffer memory</b>	1 Mbit
<b>Jumbo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

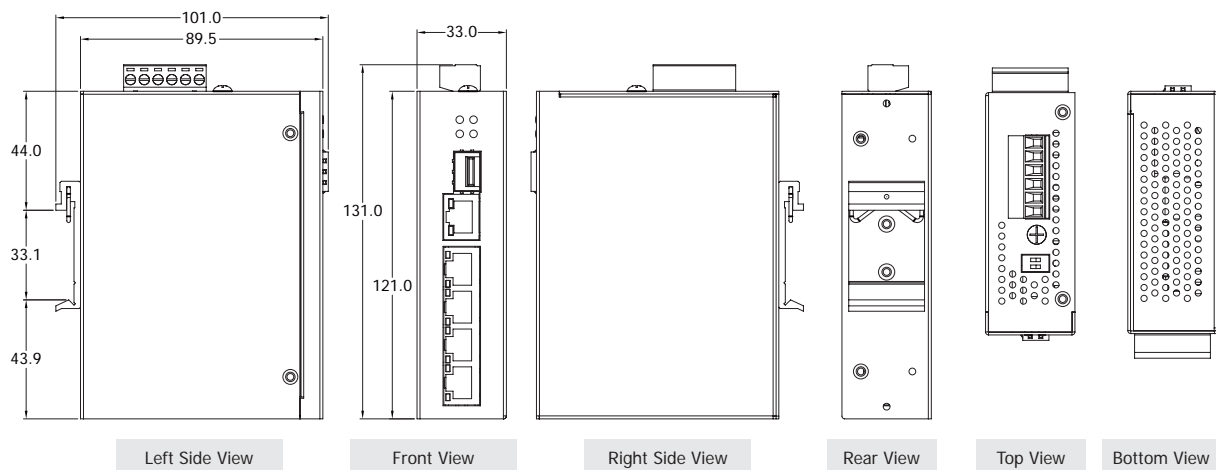
### Redundant Power Input

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)
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### 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