



## Features ▶▶▶

- Full Gigabit Ethernet ports
- 4 PoE/PoE+ PSE capable ports, fully compliant to IEEE 802.3af/at
- 24/48 V<sub>dc</sub> flexible redundant power inputs
- Supports 10 KB jumbo frames
- Pluggable SFP transceiver port
- Supports Auto Negotiation and Auto MDI/MDI-X
- Supports Dual +18 ~ 55 VDC power input and 1 relay output
- Supports operating temperatures from -40 ~ +75°C
- Slim packaging fits on your DIN-Rail Mounting

## Introduction

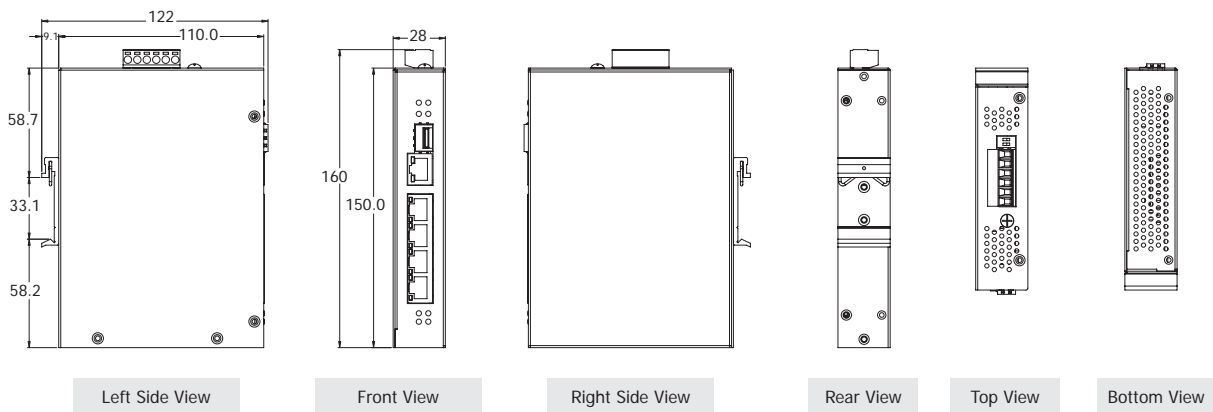
The NSM-205GP is 5-port unmanaged full Gigabit Ethernet switch supporting Power-over-Ethernet on ports 1 to 4. The switch is classified as power source equipment (PSE), and when used in this way, the NSM-205GP switch enable centralization of the power supply, providing up to 30 watts. The NSM-205GP can be used to power IEEE 802.3af/at standard devices (PD). Voltage boost technology supports 24V industrial power sources ensuring that a full and proper PSE voltage is available across all PoE ports.

## Specifications

Technology	
<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 IEEE 802.3af Power Over Ethernet IEEE 802.3at Power Over Ethernet Energy Efficient Ethernet (EEE) as per 802.3az; this provides power savings during idle network activity
<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>	IEEE 802.3x flow control, back pressure flow control

Interface	
<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 Port</b>	1000BaseSFP slot/100BaseSFP slot
<b>LED Indicators</b>	PWR1, PWR2, Power fail, 10/100M, 1000M, Link/Act, Power Device is detected
<b>Ethernet Isolation</b>	1500 V <sub>rms</sub> 1 minute
<b>DIP Switch</b>	100BaseSFP/1000BaseSFP and PoE/PoE+ setting
Power Input	
<b>Redundant Input Range</b>	Flexible input +24/+48 V <sub>DC</sub> Nominal. ( +18 ~ +55 V <sub>DC</sub> )
<b>Power Consumption</b>	0.13@ 48 V <sub>DC</sub> without PD loading; 3.1 A @ 48 V <sub>DC</sub> with PD full loading (30 W per ports) 0.25@ 24 V <sub>DC</sub> without PD loading; 6.2 A @ 24 V <sub>DC</sub> with PD full loading (30 W per ports)
<b>Alarm Contact</b>	One relay output with current carrying capacity of 1A @ 30 V <sub>DC</sub>
<b>Protection</b>	Power reverse polarity protection
<b>Connector</b>	6-Pin Removable Terminal Block (Power & Relay)
Mechanical	
<b>Chassis</b>	Metal with an IP30 ingress protection rating
<b>Dimensions (W x L x H)</b>	28 mm x 160 mm x 122 mm
<b>Installation</b>	DIN-Rail or Wall Mounting (with optional kit)
Environment	
<b>Operating Temperature</b>	-40 °C ~ + 75 °C ( -40° F to 167° F )
<b>Storage Temperature</b>	-40 °C ~ + 85 °C (-40 F to 185° F)
<b>Ambient Relative Humidity</b>	10 ~ 90% RH, non-condensing

**Dimensions (Units: mm)**



**Ordering Information**

NSM-205GP CR	4G+1G Combo Port Gigabit Unmanaged Ethernet Switch with 4 IEEE 802.3af/at PoE+ ports (RoHS)
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**Applications**



**Accessories**

DR-120-48	48 V/2.5 A, 120 W Single Output Industrial DIN Rail Power Supply
MDR-60-48	48 V/1.25 A, 60 W Single Output Industrial DIN Rail Power Supply
DR-120-24	24V/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
SFP-1G85M-SX	Multi-mode 850 nm, 0.5 km SFP module
SFP-1G13M-SX2	Multi-mode 1310 nm, 2 km SFP module
SFP-1G13S-LX	Single-mode 1310 nm, 10 km SFP module
SFP-1G13S-LX20	Single-mode 1310 nm, 20 km SFP module
SFP-1G13S-LHX	Single-mode 1310 nm, 40 km SFP module
SFP-1G15S-XD	Single-mode 1550 nm, 60 km SFP module

