



NS-216

Unmanaged 5-port Industrial 10/100 Mbps Ethernet Switch



NSM-216

Features

- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Power input 12~48 VDC wide range redundant power inputs
- Automatic MDI/MDI-X crossover for plug-and-play



Introduction

The NS-216/NSM-216 has 16 Ethernet ports that support 10/100 Base-TX, with a 10/100M auto negotiation feature and auto MDI/MDI-X function. It can connect 16 workstations and automatically switches the transmission speed (10 Mbps or 100 Mbps) for corresponding connections.

All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly. The NS-216/NSM-216 supports advanced network standards to optimize network performance, reduce maintenance costs, and secure network safety.

The flow control mechanism is also negotiated. There is link/data rate LEDs for each port to aid troubleshooting.

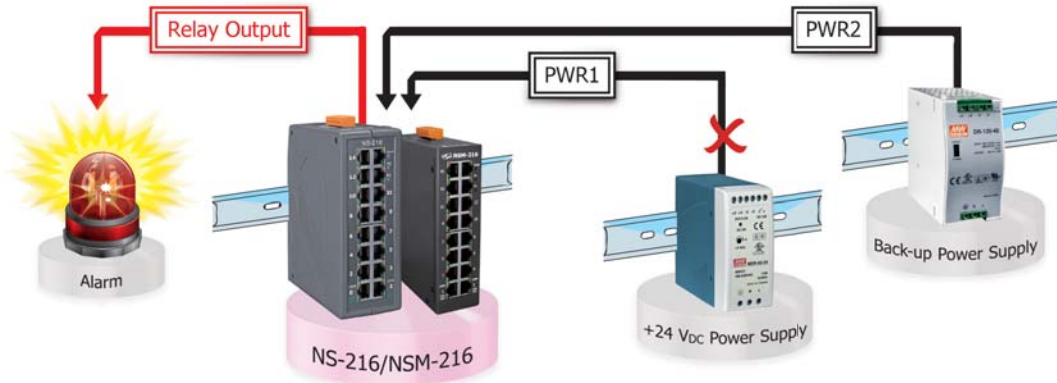
Specifications

| Model | NS-216 | NSM-216 |
|-----------------------------|--|---|
| EMS Protection | | |
| EFT (IEC 61000-4-4) | ± 1 kV | |
| ESD (IEC 61000-4-2) | ± 4 kV Contact | |
| LED Indicators | | |
| Status | PWR1, PWR2, Fault, Link/Act, Speed | |
| Ethernet | | |
| Ports | 16 x RJ-45, 10/100Base-TX | |
| Standards | IEEE802.3, 802.3u, 802.3x | |
| Processing Type | Store & forward | |
| MAC Table | 16 K | |
| Frame Buffer Memory | 4 Mbit | |
| Flow Control | IEEE 802.3x flow control, back pressure flow control | |
| Isolation | 1500 Vrms 1 minute | |
| Power | | |
| Reverse Polarity Protection | Yes | |
| Input Range | +12 ~ +48 VDC (Non-isolation, redundant input) | |
| Redundant Power Inputs | Yes | |
| Consumption | 0.04 A @ 24 VDC without loading, 0.10A @ 24VDC full loading 0.02 A @ 48 VDC without loading, 0.06A @ 48VDC full loading | |
| Alarm Output | Yes, Relay 1 A @ 30 VDC | |
| Mechanical | | |
| Casing | Plastic | Metal |
| Dimensions (mm) | DIN-rail mounting: 56 x 171 x 127 (W x L x H) Wall mounting: 56 x 176 x 127 (W x L x H) | 44 x 154 x 119 (W x L x H) |
| Installation | DIN-rail mounting or wall mounting | DIN-rail mounting or wall mounting (Optional) |
| Ingress Protection Rating | - | IP30 |
| Environment | | |
| Operating Temperature | -25 °C ~ +75 °C | |
| Storage Temperature | -40 °C ~ +85 °C | |
| Humidity | 10% ~ 90% RH, non-condensing | |

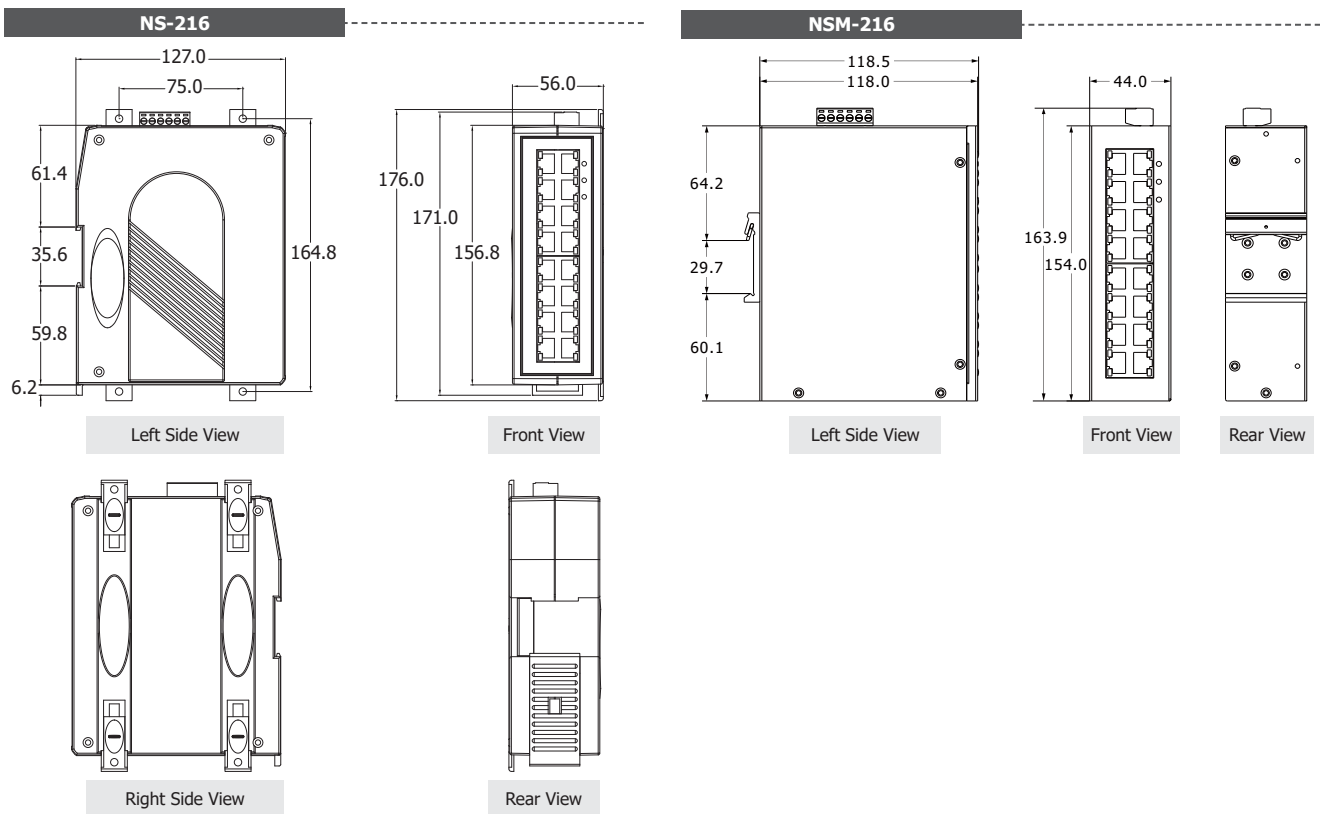
Redundant Power Input

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 NS-216/NSM-216 power needs.



Dimensions (Units: mm)



Ordering Information

| | |
|-------------------|--|
| NS-216 CR | Unmanaged 16-port Industrial 10/100 Base-TX Ethernet Switch (RoHS) |
| NSM-216 CR | Unmanaged 16-port Industrial 10/100 Base-TX Ethernet Switch with metal casing (RoHS) |

Optional Accessories

| | |
|--------------------|---|
| ASO-0023 CR | Wall Mount Kit (W:44mm) for Metal casing (RoHS) |
| ASO-0058 CR | Wall Mount Kit for Metal casing (RoHS) |