



NS-216 NSM-216

Unmanaged 5-port Industrial 10/100 Mbps Ethernet Switch

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.

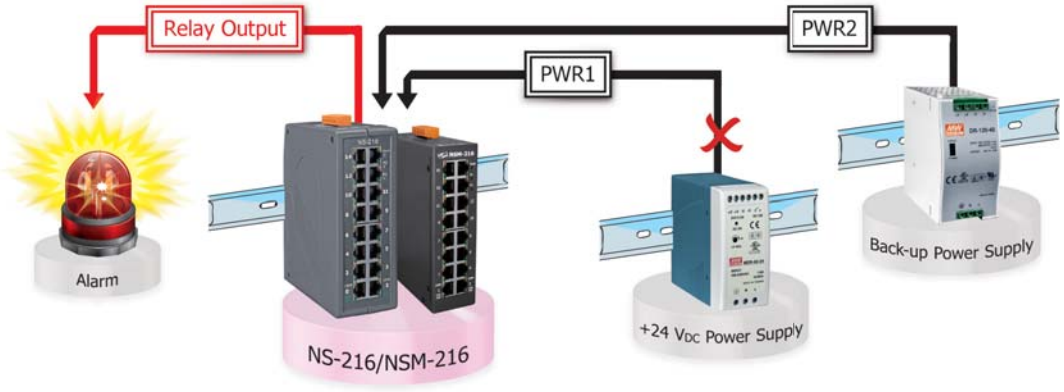
Specifications

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	

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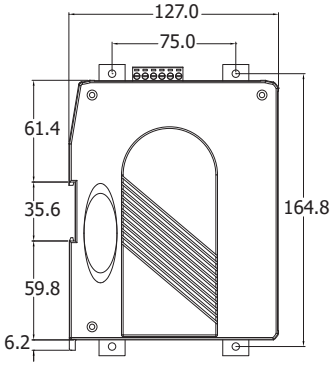
Redundant Power Input

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.

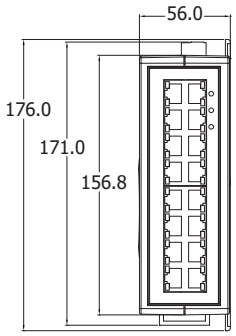


Dimensions (Units: mm)

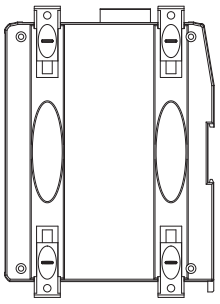
NS-216



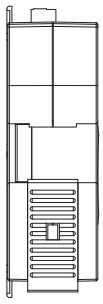
Left Side View



Front View

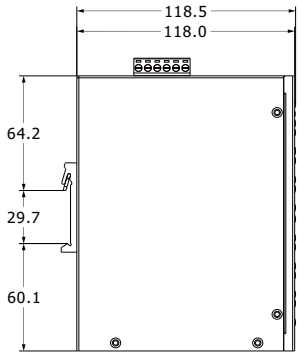


Right Side View

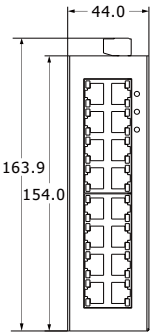


Rear View

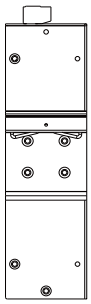
NSM-216



Left Side View



Front View



Rear View

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)

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