



NS-205G



NS-205AG

Unmanaged 5-port Industrial 10/100/1000 Base-T Ethernet Switch

Features

- Automatic MDI/MDI-X crossover for plug-and-play
- Each port supports 10/100 and 1000 Mbps speed auto negotiation
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Supports +12 VDC ~ +48 VDC Redundant Input Range (NS-205AG)
- Store-and-forward architecture



Introduction

The NS-205G/NS-205AG is 5-port unmanaged gigabit switches that support 10/100/1000 Base-T, with a 10/100/1000M auto negotiation feature and auto MDI/MDI-X function. It can connect 5 workstations and automatically switches the transmission speed (10 Mbps or 100 Mbps or 1000 Mbps) for corresponding connections.

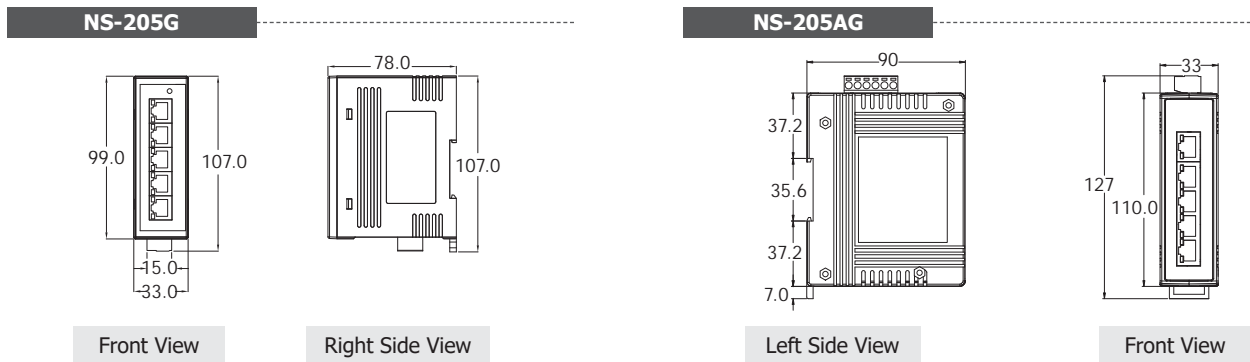
That is an ideal solution for bandwidth-hungry applications (such as high resolution digital image transmission, video/audio file streaming/downloading, and server farm connectivity).

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

Specifications

Model	NS-205G	NS-205AG
LED Indicators		
Status	Power, 1000M, Link/Act	PWR1, PWR2, Power fail, 1000M, Link/Act
Ethernet		
Ports	5 x RJ-45, 10/100/1000Base-T	
Standards	IEEE 802.3, 802.3u, 802.3ab and 802.3x	
Processing Type	Store & forward	
MAC Table	4096	
Frame Buffer Memory	1.5 Mbit	
Flow Control	IEEE 802.3x flow control, back pressure flow control	
Jumbo Frames	9 K for Speed 1000 M	
Isolation	1500 Vrms 1 minute	
Power		
Reverse Polarity Protection	Yes	
Input Range	+10 ~ +30 VDC (Non-isolated)	+12 ~ +48 VDC (Redundant Input Range; Non-isolated)
Redundant Power Inputs	-	Yes
Consumption	0.2 A @ 24 VDC	
Alarm Output	-	Yes, Relay 2 A @ 30 VDC
Mechanical		
Casing	Plastic	
Dimensions (mm)	33 x 107 x 78 (W x L x H)	33 x 127 x 90 (W x L x H)
Installation	DIN-Rail Mounting	
Environment		
Operating Temperature	-40 °C ~ +75 °C	
Storage Temperature	-40 °C ~ +85 °C	
Humidity	10% ~ 90% RH, non-condensing	

■ Dimensions (Units: mm)



■ Ordering Information

NS-205G CR	Unmanaged 5-port Industrial 10/100/1000 Base-T Ethernet Switch (RoHS)
NS-205AG CR	Unmanaged 5-port Industrial 10/100/1000 Base-T Ethernet Switch with Power Input +12 VDC ~ +48 VDC (RoHS)

■ Accessories

GPSU06U-6 CR	Power Supply, 110~240 VAC to 24 VDC/0.25 A, 6 W, two pins USA plug (RoHS)
DIN-KA52F CR	Power Supply, 100~250 VAC to 24 VDC/1.04 A, 25 W, DIN-rail mounting (RoHS)