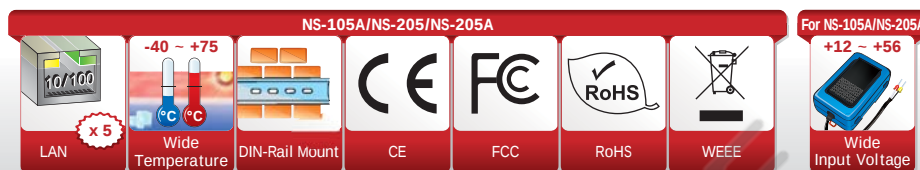


NS-205

Unmanaged 5-port Industrial 10/100 Mbps Ethernet Switch

NS-105A/NS-205A *NEW*

Unmanaged 5-port Industrial 10/100 Mbps Ethernet Switch



Features ▶▶▶

- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Slim packaging fits on your DIN-Rail Mounting
- Each port supports both 10/100 Mbps speed auto negotiation
- Supports +12 V_{DC} ~ +56 V_{DC} for NS-105A/NS-205A
- Supports operating temperatures from -40 °C ~ +75 °C

Introduction

The NS-205/NS-205A/NS-105A has 5 Ethernet Switching ports that support 10/100 Base-TX, with a 10/100M 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) for corresponding connections. The flow control mechanism is also negotiated. There is activity/link/data rate LEDs for each port to aid trouble-shooting. Port connectors are shielded RJ-45. **It contains "soft start" function with overload protection, high-low voltage protection.** The width of the NS-205/NS-205A is just 33 mm, so it can be used where space is limited.

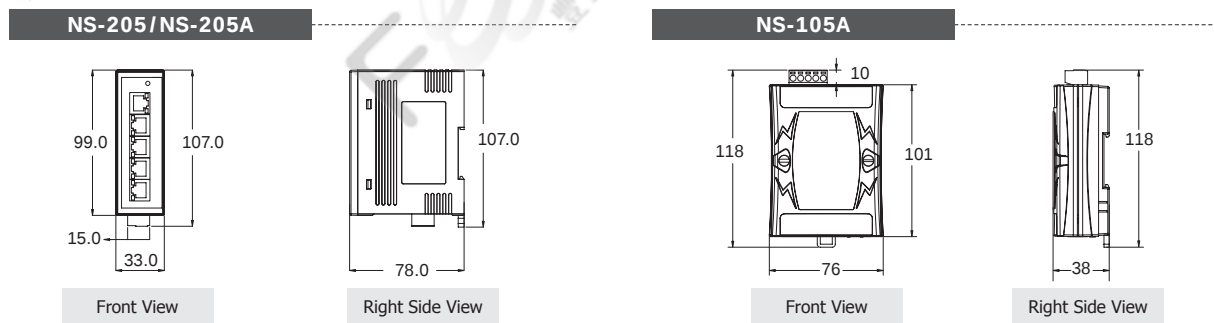
The NS-205A/NS-105A provides +12 V_{DC} ~ +56 V_{DC} power input to fit various power source.



Specifications

Models		NS-205	NS-205A	NS-105A
Technology				
Standards		IEEE 802.3, 802.3u, 802.3x		
Processing Type		Store & forward; wire speed switching		
MAC Addresses		1024		
Memory Bandwidth		1.4 Gbps	3.2 Gbps	
Frame Buffer Memory		256 Kbit	512 Kbit	
Flow Control		IEEE 802.3x flow control	IEEE 802.3x flow control, back pressure flow control	
Interface				
RJ-45 Ports		10/100 Base-T(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection		
LED Indicators		Power, Link/Act, 10/100M		
Ethernet Isolation		1500 V _{rms} 1 minute		
Frame Ground for EMS Protection		Yes		
Cable	Ethernet	2-pair UTP/STP Cat.3, 4, 5, EIA/TIA-568 100 Ω		
	Fast Ethernet	2-pair UTP/STP Cat. 5, EIA/TIA-568 100 Ω		
Redundant Power				
Input Voltage Range		+10 V _{dc} ~ +30 V _{dc} (Non-isolated)	+12 V _{dc} ~ +56 V _{dc} (Non-isolated)	
Power Consumption		0.1 A @ 24 V _{dc}		
Protection		Power reverse polarity protection		
Frame Ground for EMS Protection		Yes		
Connector		3-Pin Removable Terminal Block		5-Pin Removable Terminal Block
Mechanical				
Casing		Plastic		
Flammability		UL 94V-0		
Dimensions (W x L x H)		33 mm x 78 mm x 107 mm		76 mm x 38 mm x 118 mm
Installation		DIN-Rail Mounting		
Environment				
Operating Temperature		-40 °C ~ +75 °C		
Storage Temperature		-40 °C ~ +85 °C		
Ambient Relative Humidity		10% ~ 90% RH, non-condensing		

Dimensions (Units: mm)



Ordering Information

NS-205 CR	Unmanaged 5-port Industrial Ethernet Switch (RoHS)
NS-205A CR	Unmanaged 5-port Industrial Ethernet Switch with Power Input +12 V _{dc} ~ +56 V _{dc} (RoHS)
NS-105A CR	Unmanaged 5-port Industrial Ethernet Switch with Power Input +12 V _{dc} ~ +56 V _{dc} (RoHS)

Accessories

GPSU06U-6 CR	24 V/0.25 A, 6 W Power Supply (RoHS)
GPSU06E-6 CR	24 V/0.25A, 6 W Power Supply with 2 pole EURO plug (RoHS)
DIN-KA52F CR	24 V/1.04 A, 25 W Power Supply with DIN-Rail Mounting (RoHS)
DIN-KA52F-48 CR	48 V/0.52 A, 25 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-20-24 CR	24 V/1 A, 24 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-60-48 CR	48 V/1.25 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)