NS-205A

Unmanaged 5-Port Industrial 10/100 Mbps Ethernet Switch



Introduction

The NS-205A 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. With overload protection, high-low voltage protection. The width of the NS-205A is just 33 mm, so it can be used where space is important.

The NS-205A provide +12 ~ 56 VDC power input to fit various power source.

Features

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

Specifications

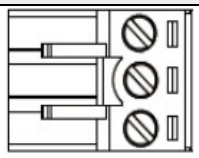
Technology	
Standards	IEEE 802.3, 802.3u, 802.3x
Processing Type	Store & forward, wire speed switching
MAC Addresses	2048
Frame buffer memory	768 Kbit
Flow Control	IEEE802.3x flow control, back pressure flow control
Interface	
RJ45 ports	10/100 Base-TX auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection
LED Indicators	10/100M, Link/Act
Ethernet Isolation	1500 Vrms 1 minute
Power	
Input Voltage Range	+12 ~ +56 VDC (Non-isolated)
Power Consumption	0.1 A @ 24 VDC
Power reverse polarity protection	Yes
Connector	3-Pin Removable Terminal Block
Mechanical	
Casing	Plastic
Dimensions (W x L x H)	33 mm x 78 mm x 107 mm
Installation	DIN-Rail
Environmental	
Operating Temperature	-40 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Ambient Relative Humidity	10% ~ 90% RH, non-condensing

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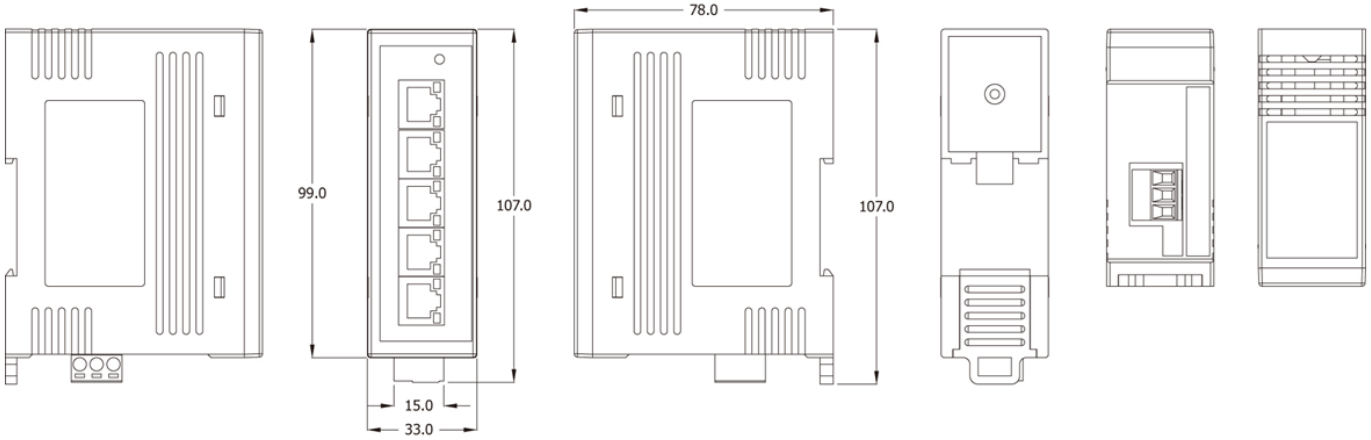
LED Indicator Functions

LED	Color	Description
PWR	Red On	Power is On
	Red Off	Power is Off
Port1~5	Orange On	Speed 100 Mbps
	Orange Off	Speed 10 Mbps
	Green On	Link/Act

Pin assignment

Pin	*Terminal No.*	*Function*
F.G		Frame Ground.
GND		Power Ground.
+VS		+12 ~ +56 VDC

Dimensions



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)

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