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.It contains "soft start" function 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.

Specifications:

Technology	
Standards	IEEE 802.3, 802.3u, 802.3x
Processing Type	Store & forward, wire speed switching
MAC Addresses	1024
Memory Bandwidth	3.2 Gbps
Frame buffer memory	512 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 (Flammability UL 94V-0)
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

LED Indicator Functions:

LED	Color	Description
PWR	Red On	Power is On
	Red Off	Power is Off
Port1~4	Orange On	--
	Green On	Link/Act
Port5	Orange On	Speed 100 Mbps
	Orange Off	Speed 10 Mbps
	Green On	Link/Act

Pin Function for Terminal Block:

External power supply is connected using the removable terminal block:

+Vs : Power input (+12 ~ 56 VDC) and should be connected to the power supply (+)

GND: Ground and should be connected to the power supply (-)

F.G. : F.G. stands for Frame Ground (protective ground). It is optional. If you use this pin, it can reduce EMI radiation; improve EMI performance and ESD protection.

Dimensions:

| Left Side View | Front View | Right Side View | Rear View | Bottom View | Top View |