NS-205G

5-Port Industrial 10/100/1000 Mbps Ethernet Switch



Introduction:

The NS-205G is 5-port unmanaged gigabit switches that support 10/100/1000 Base-T, with a 10/100/1000M auto-negotiation feature and auto MDI/MDIX function. It can connect 5 workstations and automatically switches the transmission speed (10 Mbps or 100 Mbps or 1000Mbps) 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/speed LEDs for each port to aid trouble-shooting. Port connectors are shielded RJ-45

Features:

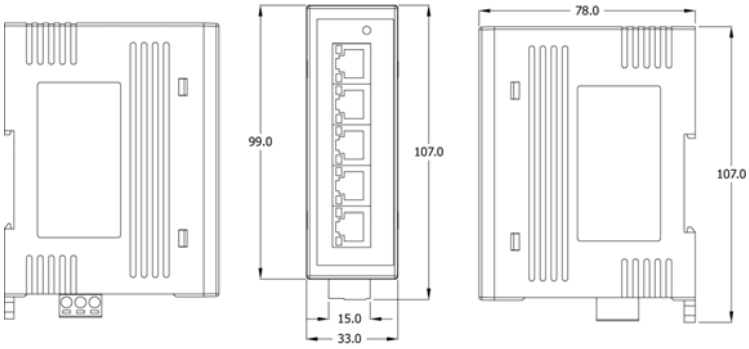
- Automatic MDI / MDI-X crossover for plug-and-play
- Each port supports both 10/100 and 1000 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Supports operating temperatures from –40 ~ +75 ℃
- DIN-Rail Mounting

Specifications:

Technology	
Standards	IEEE 802.3, 802.3u, 802.3ab and 802.3x
Processing Type	Store & forward
MAC Addresses	4096
Frame buffer memory	1.5 Mbit
Jumbo Frames	9K for Speed 1000M
Flow Control	IEEE802.3x flow control, back pressure flow control
Interface	
RJ45 ports	10/100/1000 Base-T auto negotiation speed, F/H duplex mode,and auto MDI/MDIX connection
LED Indicators	Power, Link/Act,1000M
Ethernet Isolation	1500 Vrms 1 minute
Frame Ground for EMS Protection	Yes
Power	
Input Voltage Range	+10 ~ +30VDC (Non-isolation)
Power consumption	0.2A @24VDC
Protection	Power reverse polarity protection
Frame Ground for EMS Protection	Yes
Connection	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 mount
Environmental	
Operating Temperature	-40 ~ +75°C
Storage Temperature	-40 ~ +85°C
Ambient Relative Humidity	10% to 90% non-condensing

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Dimensions:



LED functions:

LED	Color	Description
Power	Red On	Power is being supplied
	Red Off	Power is not being supplied
Ethernet Port	Orange On	Link to 1000 Mbps
	Green On	Link/Act

Pin Function For Terminal Block:

External power supply is connected using the removable terminal block:

+Vs : Power input (+10 ~ +30 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.

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000