NS-205AG

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



Introduction

The 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

Technology	
Standards	IEEE 802.3, 802.3u, 802.3ab and 802.3x
Processing Type	Store & forward, wire speed switching
MAC Addresses	8K
Memory Bandwidth	10 Gbps
Frame buffer memory	1 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	PWR1, PWR2, Power fail, 10/100/1000M, Link/Act
Ethernet Isolation	1500 Vrms 1 minute
EMS Protection	Yes
Power	
Redundant Input Range;	+12 ~ +48VDC Alarm Contact: One relay output with current carrying capacity of 1A @ 30 VDC
Power consumption	0.2A@24VDC
Protection	Power reverse polarity protection
EMS Protection	Yes
Connector	6-Pin Removable Terminal Block
Mechanical	
Casing	Plastic
Flammability	UL 94V-0
Dimensions (W x L x H)	33 mm x 90 mm x 127 mm
Installation	DIN-Rail Mounting
Environmental	
Operating Temperature	-40 ~ +75°C
Storage Temperature	-40 ~ +85°C
Ambient Relative Humidity	10% ~ 90% RH, non-condensing

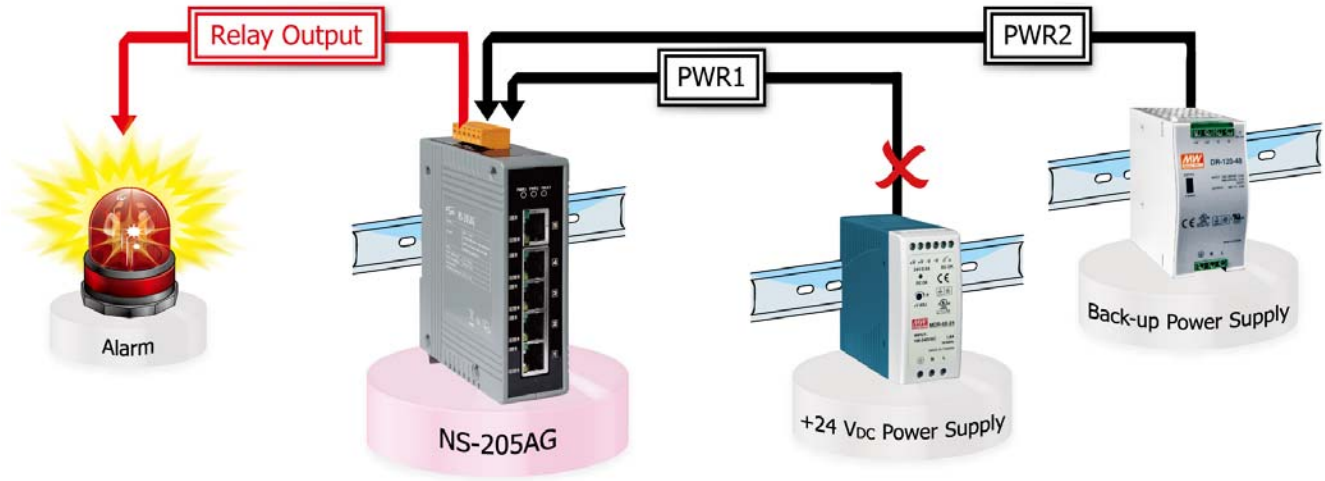
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LED Indicator Functions:

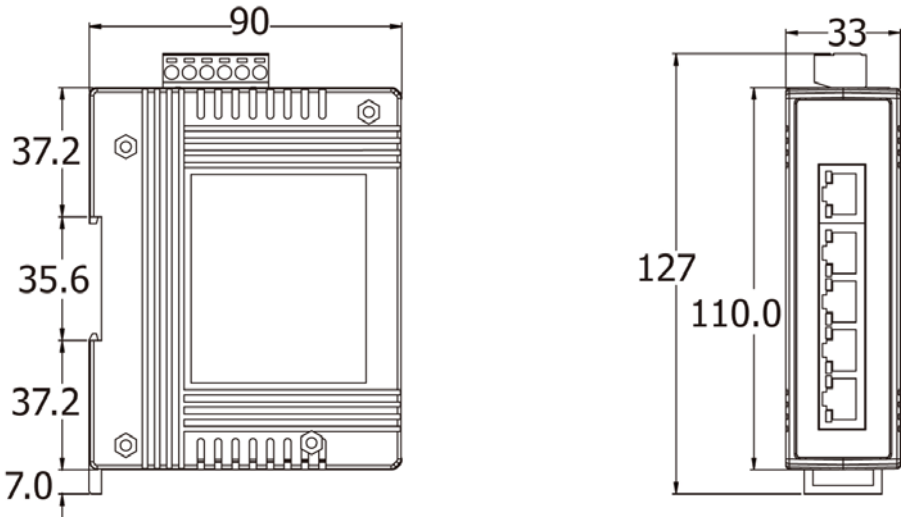
LED	Color	Description
Ethernet Port (P1 ~ P5)	Green On	Link to 1000 Mbps
	Yellow Off	
	Yellow On	Link to 10/100 Mbps
	Green Off	
PWR1	Green On	Power is being supplied to power input PWR1
	Green Off	Power is not being supplied to power input PWR1
PWR2	Yellow On	Power is being supplied to power input PWR2
	Yellow Off	Power is not being supplied to power input PWR2
Power fail	Red On	Power is not being supplied to power input PWR1 and PWR2
	Red Off	Power is being supplied to power input PWR1 and PWR2

Redundant Power Input:

Both power inputs can be connected simultaneously to live DC power sources. If one power source fails, the other live source will act as a backup, and automatically supplies all of NS-205AG power needs.



Dimensions:



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