



NS-205

Introduction

The NS-205 has 5 Ethernet Switching ports that support 10/100Base-T, with a 10/100M auto-negotiation feature and auto MDI/MDIX 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 is just 32.30 mm, so it can be used where space is important.

Features

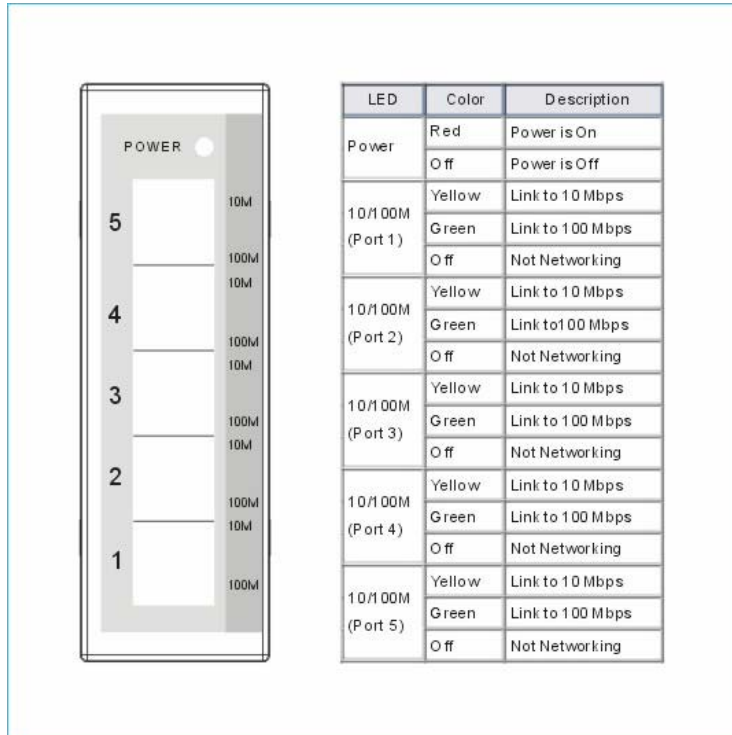
- Automatic MDI / MDI-X crossover for plug-and-play
- Each port supports both 10/100 Mbps speed auto negotiation
- Store-and-forward architecture
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- 1.4Gbps high performance memory bandwidth.
- Integrated look-up engine with dedicated 1 K unicast MAC addresses.
- MTBF = 438,000 hours(Temperature is 25 °)
- MTBCF = 525,600 hours (Temperature is 25 °)
- Supports +10~+30Vdc voltage
Reverse Polarity Protection
- Supports operating temperatures from -30 ~ +75°C
- DIN rail mount for industrial usage

Specifications

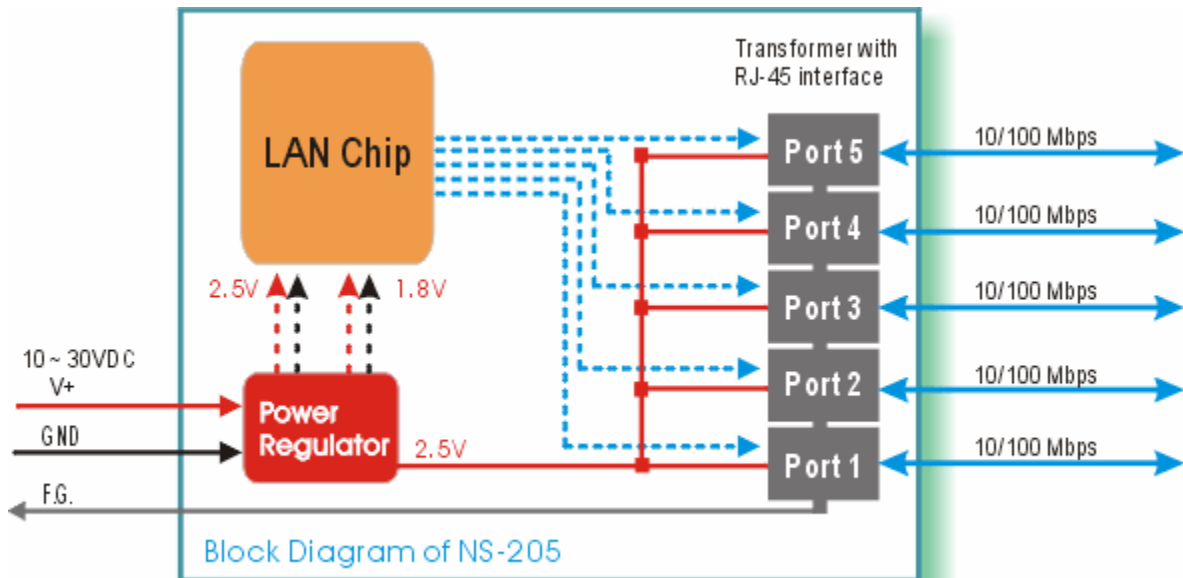
Technology	
Standards	IEEE802.3, 802.3u, 802.3x
Processing Type	Store & forward wire speed switching - no delays
MAC Addresses	1024
Memory Bandwidth	1.4 Gbps
Flow Control	IEEE802.3x flow control, back pressure flow control
Interface	
RJ45 ports	10/100BaseT(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDIX connection
LED Indicators	Power, 10/100M, Link/Act
Ethernet Isolation	1500 Vrms 1 minute
Frame Ground for EMS Protection	Yes
Cable	Ethernet : 2-pair UTP/STP Cat.3,4,5, EIA/TIA-568 100-ohm Fast Ethernet : 2-pair UTP/STP Cat. 5, EIA/TIA-568 100-ohm
Power	
Input Voltage Range	+10 ~ +30VDC (Non-isolation)
Power consumption	0.1A@24VDC, +/- 5% arrowed with 10M Full duplex. 0.09A@24VDC, +/- 5% arrowed with 100M Full duplex
Protection	Power reverse polarity protection
Frame Ground for EMS Protection	Yes
Connection	3-Pin Removable Terminal Block
Mechanical	
Case	Plastic
Flammability	UL 94V-0
Dimensions	32.30mm x 99.00mm x 77.50mm (W x H x D)
Installation	DIN rail mount
Environmental	
Operating Temperature	-30 ~ +75°C
Storage Temperature	-40 ~ +85°C
Ambient Relative Humidity	10% to 90% non-condensing

Hardware

PIN Assignment

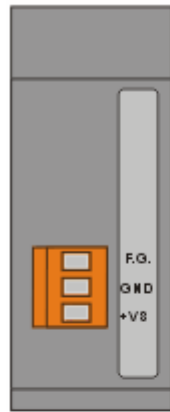


Internal I/O Structure

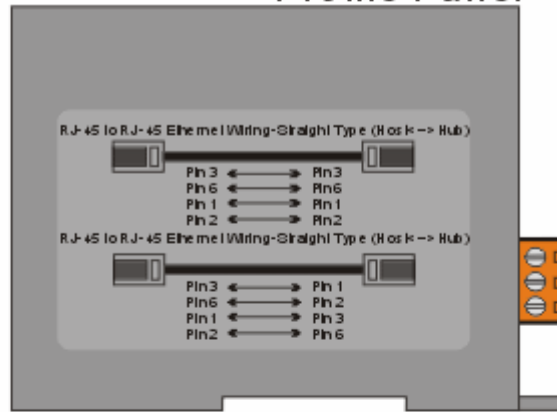


Dimensions

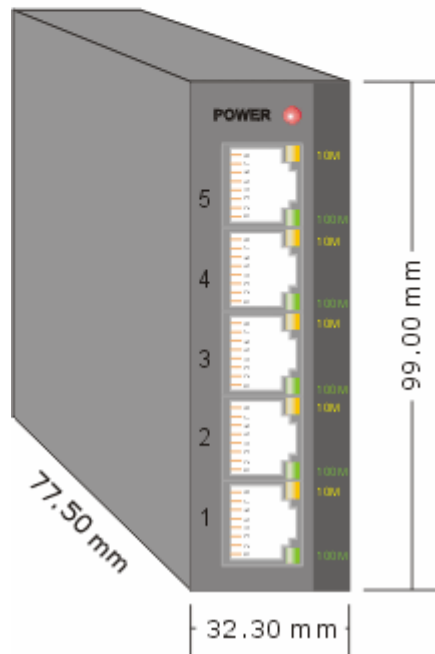
Rear Panel



Profile Panel



Profile Panel



Front Panel

