

NS-206F Series/NSM-206F Series

4-port 10/100 Mbps Ethernet with dual fiber port Switch

NS-206FC/FCS







NSM-206FC/FCS





Highlight Information ▶▶▶













For NSM-206F series



Mount



For NS-206F series



Features >>>>

- Provides 2 x 100-FX fiber port plus 4 x Ethernet ports
- Each port supports both 10/100 Mbps speed auto negotiation
- Full duplex IEEE 802.3x and half duplex backpressure flow control
 Supports operating temperatures from 0 ~ +70 °C
- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture

Introduction

The NS-206F/NSM-206F is a 4-port unmanaged Ethernet with dual fiber port switch. Using fiber optics, you can prevent noise from interfering with your system and supports high-speed (100 Mbps) and high-distance (up to 15 km) ransmissions.

The NS-206F/NSM-206F provides a wide 10 to 30 Vpc power range to fit all the common power standards found in industrial automation, without external power converters. The wide power input lowers installation and maintenance costs.

Specifications

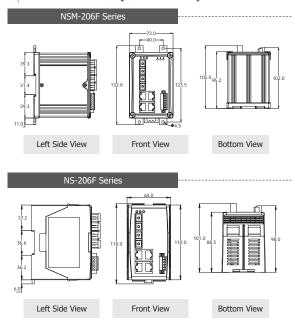
Models		NS-206F Series NSM-206F Series	
Technology			
Standards		IEEE 802.3, 802.3u, 802.3x	
Processing Type		Store & forward; wire speed switching	
MAC Addresses		1024	
Memory Bandwidth		1.6 Gbps	
Frame Buffer Memory		256 Kbit	
Flow Control		IEEE 802.3x flow control, back pressure flow control	
Ethernet Inte	rface		
RJ-45 Ports		10/100 Base-T(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection	
LED Indicators		Power, Link/Act, 10/100M	
Ethernet Isolation		1500 V _{rms} 1 minute	
Fiber Interfac	e (100 Base-FX; SC/ST type		
		Multi mode fiber cables: 50/125, 62.5/125 or 100/140 μm	
		Distance: 2 km, (62.5/125 μm recommended) for full duplex	
Multi-Mode	NS-206FT/NS-206FC	Wavelength: 1300 or 1310nm	
	NSM-206FT/NSM-206FC	Min. TX Output: -20 dBm	
		Max. TX Output: -14 dBm	
		Max. RX Sensitivity: -34 dBm	
Single-Mode		Single-mode fiber cables: 8.3/125, 8.7/125, 9/125 or 10/125 μm	
		Distance: 15 km, (9/125 μm recommended) for full duplex	
	NS-206FCS/NSM-206FCS	Wavelength: 1300 or 1310nm	
		Min. TX Output: -15 dBm	
		Max. TX Output: -8 dBm	
		Max. RX Sensitivity: -36 dBm	

Models	NS-206F Series	NSM-206F Series		
Power Input				
Input Voltage Range	+10 ∼ +30 Vpc (Redundant input)	+10 ~ +30 Vpc (Redundant input) One relay output with current carrying capacity of		
Power Consumption	0.24 A @ 24 V _{DC}	1 A @ 30 V _{DC}		
Protection	Power reverse polarity protection			
+/-4 kV ESD Protection	Yes			
Connector	5-Pin Removable Terminal Block	7-Pin Removable Terminal Block		
Mechanical				
Casing	Plastic (Flammability UL 94V-0)	Metal (IP20 Protection)		
Dimensions (W x L x H)	64 mm x 101 mm x 118 mm	73 mm x 105 mm x 132 mm		
Installation	DIN-Rail Mounting	DIN-Rail Mounting or Wall Mounting		
Environmental				
Operating Temperature	0 °C ~ +70 °C	0 °C ~ +70 °C		
Storage Temperature	-20 °C ~ +85 °C	-20 °C ~ +85 °C		
Ambient Relative Humidity	10% ~ 90% RH, non-condensing	10% ~ 90% RH, non-condensing		

- Fiber Daisy Chain Configuration -

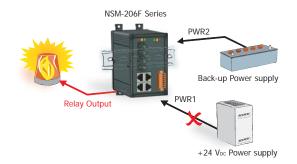


- Dimensions (Units: mm)



- Redundant Power Input for NSM-206F series —

Both power inputs can be connected simultaneously to live DC power sources. If one power source fails, the other live source acts as a backup, and automatically supplies all of NSM-206F series power needs.



- Ordering Information

NS-206FT CR	Multi-mode, ST Connector, 4-port 10/100 Mbps with
N3-2001 1 CK	dual fiber port Switch (RoHS)
NS-206FC CR	Multi-mode, SC Connector, 4-port 10/100 Mbps with
NS-200FC CR	dual fiber port Switch (RoHS)
NS-206FCS CR	Single-mode 15 km, SC Connector, 4-port 10/100
N3-200FC3 CR	Mbps with dual fiber port Switch (RoHS)
NSM-206FT CR	Multi-mode, ST Connector, 4-port 10/100 Mbps with
NSM-200F1 CK	dual fiber port Switch; metal case (RoHS)
NSM-206FC CR	Multi-mode, SC Connector, 4-port 10/100 Mbps with
NSM-200FC CR	dual fiber port Switch; metal case (RoHS)
NCM 200FCC CD	Single-mode 15 km, SC Connector, 4-port 10/100
NSM-206FCS CR	Mbps with dual fiber port Switch; metal case (RoHS)

- Accessories

MDR-60-24	24 V/2.5 A, 60 W Power Supply with DIN-Rail Mounting
MDR-20-24	24 V/1 A, 24 W Power Supply with DIN-Rail Mounting
DIN-KA52F	24 V/1.04 A, 25 W Power Supply