NSM-206PF Series

4-port 10/100 Mbps PoE(PSE) Ethernet with 2 fiber ports Switch

Features

- 4 PoE/PoE+ PSE capable ports, fully compliant to IEEE 802.3af/at
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Power input 12 ~ 57 VDC wide range redundant power inputs
- Up to 30 watts per PoE port at 24 ~ 57 VDC Power Input
- Broadcast Storm protection
- Automatic MDI/MDI-X crossover for plug-and-play
- DIN-Rail Mounting, Wall Mounting (optional)

Introduction

The NSM-206PF series is 6-port unmanaged Ethernet switch supporting Power-over-Ethernet on ports 1 to 4. The switch is classified as power source equipment (PSE), and when used in this way, the NSM-206PF series enable centralization of the power supply, providing up to 30 watts. The NSM-206PF series can be used to power IEEE 802.3af/at standard devices (PD).

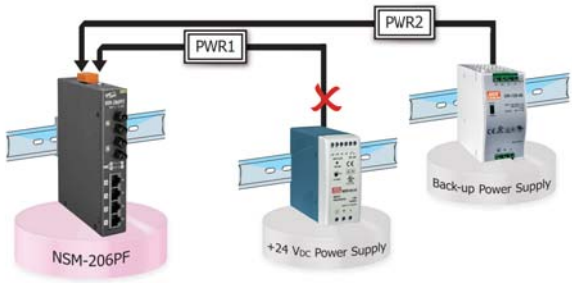
Specifications

Models	NSM-206PFT	NSM-206PFC	NSM-206PFCS
Technology			
Standards	IEEE 802.3 for 10 Base-T IEEE 802.3u for 100 Base-TX IEEE 802.3x for Flow Control, Back Pressure Flow Control IEEE 802.3af Power Over Ethernet IEEE 802.3at Power Over Ethernet Energy Efficient Ethernet (EEE) as per 802.3az; this provides power savings during idle network activity		
Processing Type	Store & forward; wire speed switching		
MAC Addresses	2048		
Frame Buffer Memory	768 Kbit		
Interface			
RJ-45 Ports	4 x 10/100 Base-TX		
POE Pinout	V+ (pin 1, 2), V-(pin 3, 6) for Port 1 ~ Port 4		
Fiber Ports	2 Port 100 Base-FX (ST Connector)	2 Port 100 Base-FX (SC Connector)	
LED Indicators	PWR1, PWR2, POE, Link/Act and Speed		
Ethernet Isolation	1500 Vrms 1 minute		
Fiber Interface (100 Base-FX; SC/ST type)			
Mode	**Multi-Mode** Multi mode fiber cables: 50/125, 62.5/125 or 100/140 µm Distance: 2 km, (62.5/125 µm recommended) for full duplex Wavelength: 1300 or 1310nm Min. TX Output: -20 dBm Max. TX Output: -14 dBm Max. RX Sensitivity: -32 dBm Min. RX Overload: -8 dBm Budget: 12 dBm		**Single-Mode** Single-mode fiber cables: 8.3/125, 8.7/125, 9/125 or 10/125 µm Distance: 30 km, (9/125 µm recommended) for full duplex Wavelength: 1300 or 1310nm Min. TX Output: -15 dBm Max. TX Output: -8 dBm Max. RX Sensitivity: -34 dBm Min. RX Overload: -5 dBm Budget: 19 dBm

Models	NSM-206PFT	NSM-206PFC	NSM-206PFCS
Power Input			
Input Voltage Range	+12 VDC ~ +57 VDC Redundant dual Input		
Power Consumption	0.125 A @ 12 VDC without PD loading, 6.2A @ 24 VDC with PD full loading (15.4 W per ports) 0.15 A @ 24 VDC without PD loading, 5.8 A @ 24 VDC with PD full loading (30 W per ports) 0.10 A @ 48 VDC without PD loading, 2.9 A @ 48 VDC with PD full loading (30 W per ports)		
Protection	Power reverse polarity protection		
+/-4 kV ESD Protection	Yes		
Connector	4-Pin Removable Terminal Block		
Mechanical			
Casing	Metal		
Dimensions (W x L x H)	DIN-rail mounting: 28 mm x 160 mm x 128 mm Wall mounting: 28 mm x 199 mm x 121 mm		
Installation	DIN-rail mounting or wall mounting (optional)		
Environmental			
Operating Temperature	-40 °C ~ +75 °C		
Storage Temperature	-40 °C ~ +85 °C		
Ambient Relative Humidity	10% ~ 90% RH, non-condensing		

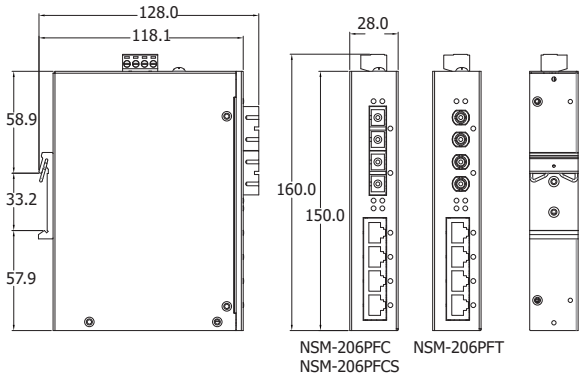
Redundant Power Input

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 NSM-206PF Series power needs.
If operating at high loading (total PoE Loading over 60w) suggest used dual input power supply.



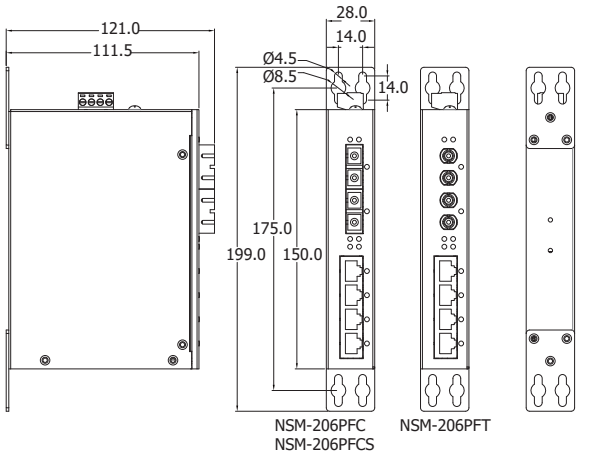
Dimensions (Units: mm)

DIN-rail mounting



Left Side View | Front View | Rear View

Wall mounting



Left Side View | Front View | Rear View

Ordering Information

NSM-206PFT CR	Multi-mode, ST Connector, 4-port 10/100 Mbps PoE(PSE) with 2 Fiber ports Switch (RoHS)
NSM-206PFC CR	Multi-mode, SC Connector, 4-port 10/100 Mbps PoE(PSE) with 2 Fiber ports Switch (RoHS)
NSM-206PFCS CR	Single-mode, SC Connector, 4-port 10/100 Mbps PoE(PSE) with 2 Fiber ports Switch (RoHS)

Accessories

ASO-0015 CR	Wall Mount Kit (W:28mm) (RoHS)