# NSM-206PSE

## 6-port 10/100 Mbps PoE(PSE) Ethernet

# NSM-206PF Series

## Unmanaged 4-Port 10/100 Mbps PoE(PSE) with 2 Fiber Port



### *Introduction:*

The NSM-206PSE/NSM-206PF 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-206PSE/NSM-206PF switch enable centralization of the power supply, providing up to 30 watts. The NSM-206PSE/NSM-206PF can be used to power IEEE 802.3af/at standard devices (PD).

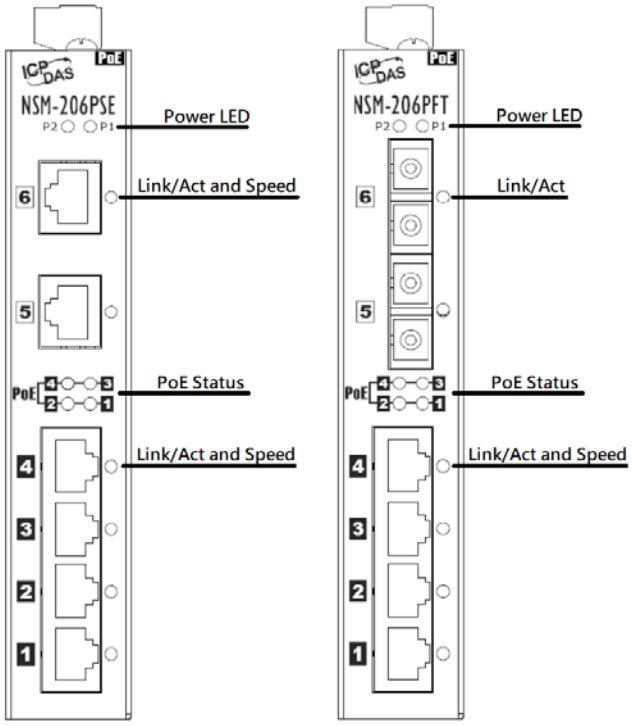
## *Specifications:*

| MODELS | NSM-206PSE | NSM-206PFT | NS-206PFC | NS-206PFCS |
|---|---|---|---|---|
| **Technology** | | | | |
| Standards | IEEE 802.3 for 10Base-T<br>IEEE 802.3u for 100Base-TX<br>IEEE 802.3x for Flow Control, Back Pressure Flow Control<br>IEEE 802.3af Power Over Ethernet<br>IEEE 802.3at Power Over Ethernet<br>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** | | | | |
| RJ45 ports | 6 x 10/100 Base-TX | 4 x 10/100 Base-TX | | |
| POE Pinout | V+ (pin 1, 2), V-(pin 3, 6) for Port1 ~ Port4 | | | |
| Fiber Ports | -- | 2 Port Fiber ST | 2 Port Fiber SC | |
| LED Indicators | PWR1, PWR2, 10/100M, Link/Act, POE | | | |
| Ethernet Isolation | 1500 Vrms 1 minute | | | |
| **Power** | | | | |
| Input Voltage Range | 12~57Vdc Redundant dual Input | | | |
| Power Consumption | 0.15 A @ 24 VDC without PD loading, 5.8A @ 24VDC with PD full loading (30W per ports)<br>0.10 A @ 48 VDC without PD loading, 2.9A @ 48VDC with PD full loading (30W per ports) | | | |
| Power reverse polarity protection | Yes | | | |
| Connector | 4-Pin Removable Terminal Block | | | |
| **Mechanical** | | | | |
| Casing | Metal | | | |
| Dimensions (W x L x H) | 28 mm x 150 mm x 119 mm | | | |
| Installation | DIN-Rail, wall mounting(optional) | | | |
| **Environmental** | | | | |
| Operating Temperature | -40 ~ +75 °C | | | |
| Storage Temperature | -40 ~ +85 °C | | | |
| Ambient Relative Humidity | 10% ~ 90% RH, non-condensing | | | |



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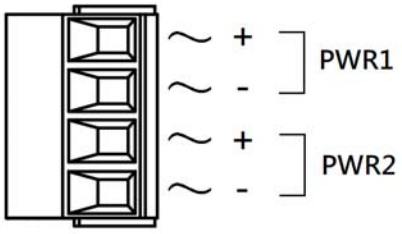
## *LED Indicator Functions:*




| LED | COLOR | STATE | DESCRIPTION |
|---|---|---|---|
| PWR1 | Yellow | On | Power is being supplied to power input PWR1 |
| | | Off | Power is not being supplied to power input PWR1 |
| PWR2 | Yellow | On | Power is being supplied to power input PWR2 |
| | | Off | Power is not being supplied to power input PWR2 |
| Port1~4 Link/Act & speed | Amber | On | Link to 100Mbps |
| | | Off | Link to 10Mbps |
| | Green | On | Link/Act |
| Port5~6 Link/Act & speed | Amber | On | Link to 100Mbps (for NS-206PSE only) |
| | | Off | Link to 10Mbps(for NS-206PSE only) |
| | Green | On | Link/Act |

## *Pin Function for Terminal Block:*

| Pin | Function | Description |
|---|---|---|
| 1 | PWR1 | Power1 input +12~+57VDC (V+) |
| 2 | GND1 | Power1 GND (V-) |
| 3 | PWR2 | Power2 input +12~+57VDC (V+) |
| 4 | GND2 | Power2 GND (V-) |




Top View



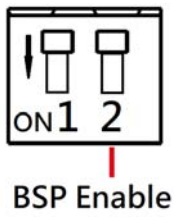
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## *Redundant Power Input：*

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-206P Series power needs.
(if operating at high loading suggest used dual input power supply)

## *Broadcast Storm protection：*

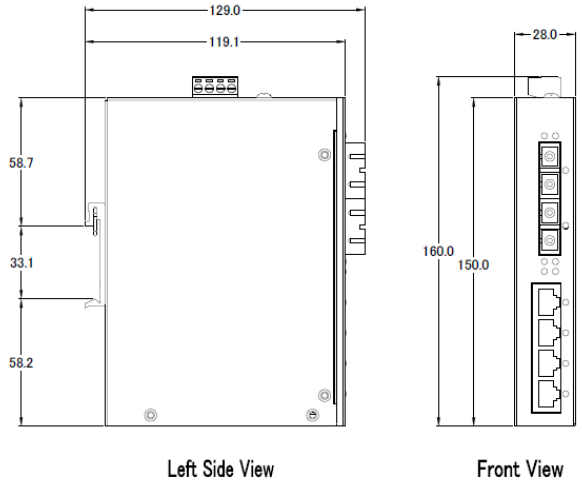
NSM-206P Series has BSP(Broadcast Storm Protection) Function , this Function can protect your Ethernet device disturbed from Broadcast ，If Switch detection Broadcast packet over 1K par second, Switch will drop the excess part to protect communication.



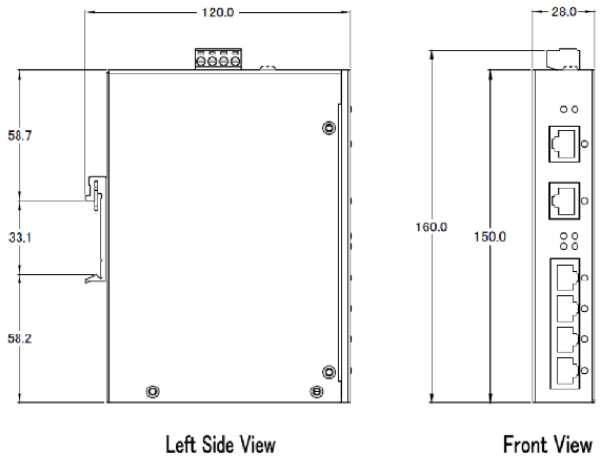

When the BSP Enable Switch is pressed, the models will running BSP function after restart the power

## *Dimensions: (Units：mm)*

NSM-206PF Series：




NSM-206PSE：






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