

NS-208-M12-IP67/NS-208PSE-M12-IP67

8-port M12 Unmanaged Ethernet Switch with IP67

Features

- Each port supports both 10/100 Mbps speed auto negotiation
- 8 PoE ports with Power Sourcing Equipment (PSE) operation (NSM-208PSE-M12-IP67)
- Over-temperature, over-current and over/under-voltage detection (NSM-208PSE-M12-IP67)
- 8-port 10/100 Mbps M12 type connector with IP67 protection
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- Auto-detection of PD (powered devices) and automatic power management (NSM-208PSE-M12-IP67)

Introduction

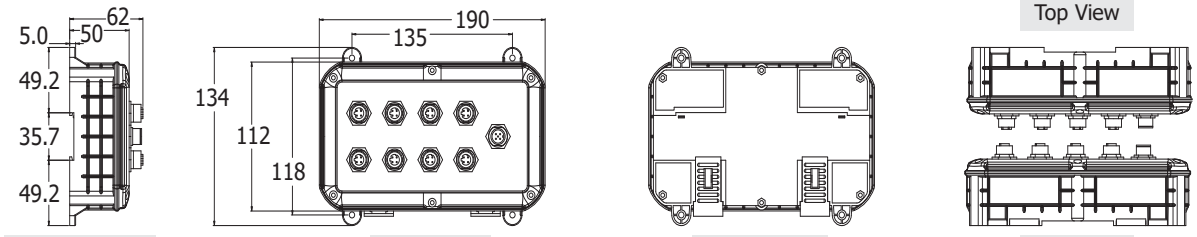
The NS-208PSE-M12-IP67/NS-208-M12-IP67 is designed for industrial applications in harsh environments. The M12 connectors ensure tight, robust connections, and guarantees reliable operation, even for applications that are subject to high vibration and shock.
The NS-208PSE-M12-IP67 PoE switch provides 8 fast Ethernet M12 ports with 8 IEEE 802.3af compliant PoE ports. The switch is classifi ed as power source equipment (PSE) and provide up to 15.4 W of power per port.
The Ethernet switch supports IEEE 802.3/802.3u/802/3x with 10/100M, full/half-duplex, MDI/MDI-X auto-sensing, and provides an economical solution for your industrial Ethernet network.
The NS-208-M12-IP67 provides a wide +12 VDC ~ +53 VDC power range to fi t all the common power standards found in industrial automation, without external power converters. The wide power input lowers installation and maintenance costs.

Comparison Table of 8-port M12 Ethernet Switch



Mode Name	NSM-208PSE-M12	NSM-208PSE-M12-IP67	NS-208PSE-M12-IP67	NS-208-M12-IP67
PoE	802.3af x 8	–	802.3af x 8	–
Input Voltage Range	+46 VDC ~ +53 VDC	+12 VDC ~ +53 VDC	+46 VDC ~ +53 VDC	+12 VDC ~ +53 VDC
Operating Temperature	-40 °C ~ +75 °C		-40 °C ~ +75 °C	
Casing	Metal with IP40		Plastic with IP67	
Installation	Wall Mounting		DIN-Rail Mounting or Wall Mounting	
Dimensions (W x L x H)	190 mm x 100 mm x 56 mm		190 mm x 134 mm x 62 mm	

Dimensions (Units: mm)



Left Side View | Front View | Bottom View | Rear View

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Specifications

Model	NS-208-M12-IP67	NS-208PSE-M12-IP67
LED Indicators		
Status	PWR, Link/Act	PWR, Link/Act, Power Device is detected
Ethernet		
Ports	8 x M12 connector, 10/100Base-TX	
Standards	IEEE 802.3, 802.3u, 802.3x, 10/100 Base-T(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection	
Processing Type	Store & forward	
MAC Table	1024	
Memory Bandwidth	3.2 Gbps	
Frame Buffer Memory	512 Kbit	
Flow Control	IEEE 802.3x flow control, back pressure flow control	
Isolation	1500 Vrms 1 minute	
Connector	Female 4-Pin shielded M12 D-coding connector	
PoE Technology		
PoE Compliance	-	100% IEEE 802.3at compliant
PoE Power	-	Up to 30 watts per channel
PoE Operation	-	Automatic detection and power management
PoE Pin Assignments	-	V+ (pin 1, 2), V-(pin 3, 6)
PoE Disconnect Mode	-	DC disconnect
PoE Voltage	-	+52 VDC
Power		
Reverse Polarity Protection	Yes	
Input Range	+12 VDC ~ +53 VDC	+46 VDC ~ +53 VDC
Consumption	0.12 A @ 48 VDC	0.12 A @ 48 VDC without PD loading 3.0 A @ 48 VDC with PD full loading
Mechanical		
Casing	Plastic	
Dimensions (mm)	DIN-rail mounting: 190 x 112 x 62 (W x L x H) Wall mounting: 190 x 134 x 62 (W x L x H)	
Installation	DIN-rail mounting or wall mounting	
Ingress Protection Rating	IP67	
Environment		
Operating Temperature	-10 °C ~ +60 °C (Protection rating IP67) -40 °C ~ +75 °C (Protection rating IP66)	
Storage Temperature	-10 °C ~ +60 °C (Protection rating IP67) -40 °C ~ +75 °C (Protection rating IP66)	
Humidity	100% RH for Operating Temperature -10 °C ~ +60 °C 10% ~ 90% RH, non-condensing for Operating Temperature -40 °C ~ +75 °C	

Ordering Information

NS-208-M12-IP67 CR	8-port M12 Unmanaged Ethernet Switch with IP67 (RoHS) Includes M12D-4P-IP68 x 8, A-CAP-M12M x 8, M12A-5P-IP68 x 1 and A-CAP-M12F x 1
NS-208PSE-M12-IP67 CR	8-port M12 Unmanaged PoE Ethernet Switch with IP67 (RoHS) Includes M12D-4P-IP68 x 8, A-CAP-M12M x 8, M12A-5P-IP68 x 1 and A-CAP-M12F x 1

Accessories

M12D-4P-IP68	A-CAP-M12M	M12A-5P-IP68	A-CAP-M12F
			
4PIO1K0000001	4PIO1K0000002	4PIO1K0000003	4PIO1K0000004
You need to choose high quality M12 cable, please refer to https://www.balluff.com/			

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