

Slim size 8 port Giga M12 (PoE) Switch for Rolling Stock and Vehicle Applications

IMS208G / IMP208G-8GP

8-port Giga (PoE) M12 Ethernet Switch

The IMS208G is an M12 Ethernet switch equipped with 8 full Gigabit Ethernet ports, making it a cost-effective solution for railway and bus applications. The IMP208G-8GP model enhances functionality with 8 IEEE 802.3af/at PoE M12 Gigabit ports, providing Power over Ethernet capability.

Both models feature M12 connectors, ensuring a stable and reliable connection even in environments subject to shock and vibration. Additionally, their built-in lightning protection circuitry significantly minimizes damage from lightning-induced surges. Designed with an IP54-rated metal enclosure, these switches offer robust protection against dust and water, while their wide operating temperature range of -40°C to 75°C ensures reliable performance in extreme conditions.



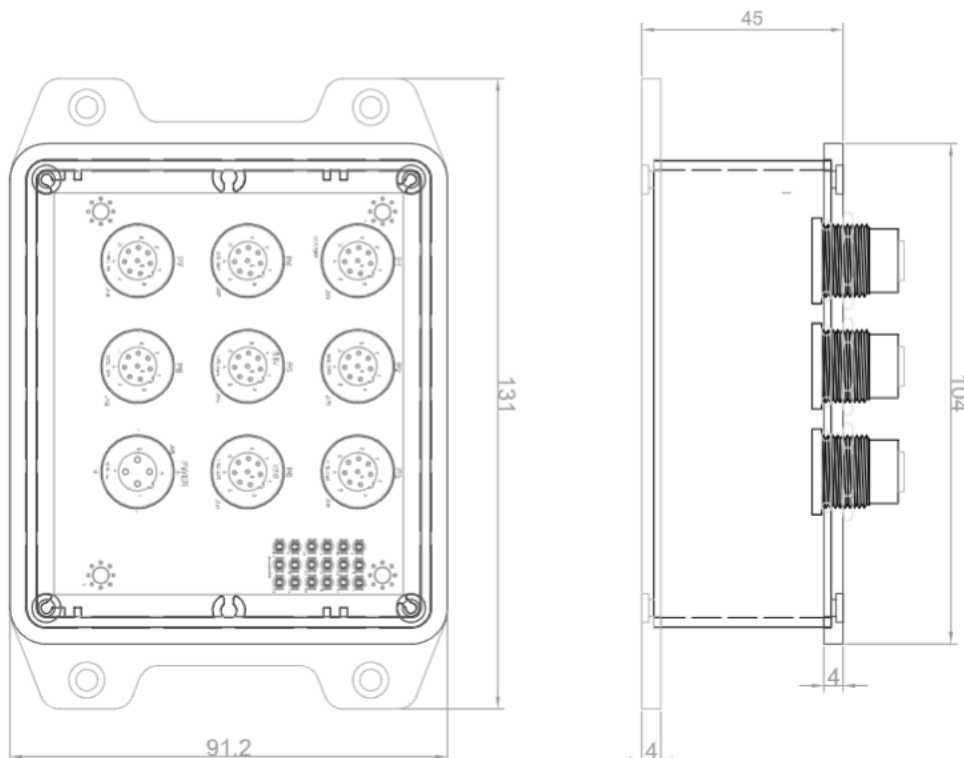
Features & Benefits

PoE+

CE



- 8 ports 10/100/1000TX M12 copper
- 8 ports 10/100/1000TX PoE 802.3af/at M12 copper (IMP208G-8GP)
- IEEE802.3x Flow control
- Wide power input: 9 to 48VDC
- Wide working temperature: -40~75°C
- Aluminum Enclosure and Fan less Design
- IP54 Protection
- High Reliability 100,000 hours MTBF



Technology	
Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet Copper
Performance	
Switch Technology	Store and Forward Technology with Non-Blocking Switch Fabric
Backplane Bandwidth	16Gbps
Number of MAC Address	4K
Packet Buffer Memory	2.5Mbps
Jumbo Frame	9.6K
Transfer performance	10Base-T: 14,880pps, 100Base-TX: 148,800pps, 1000Base-TX: 1,488,100pps
Interface	
Ethernet Port	8 x 10/100/1000Base-T, M12 8 pin A-Code Female, Auto Negotiation
PoE (IMP208G-8GP)	8 x PoE 802.3af/at 10/100/1000Base-T, M12 8 pin A-Code Female, Auto Negotiation
System LED	2 x Power: P1 Green On/Off: Power Input 1 P2 Green On/Off: Power Input 2
Ethernet Port LED	Link (Green On), Activity (Green Blinking)
Power input	M12 4 pin Male with polarity reverse protection
Power Requirement	
Input Voltage	24VDC (9-48VDC) Redundant 48VDC Redundant (IMP208G-8GP)
Reverse Polarity Protect	Yes
Power Consumption	3W @24VDC
Mechanical	
Installation	Wall Mount
Enclosure Material	Aluminum Metal
Dimension	131 (W) x 46 (H) x 91 mm (D)
Ingress Protection	IP54
Environmental	
Operating Temperature & Humidity	-40°C~75°C , 0%~95% Non-Condensing
Storage Temperature	-40°C~80°C
MTBF	>100,000 hours
Warranty	3 years



Ordering Information

Model Name	Description
IMS208G-A	Industrial 8-port Gigabit M12 Unmanaged Ethernet Switch, A-code M12 Ethernet, 9-48VDC Power Input
IMP208G-8GP-A	Industrial 8-port Gigabit PoE M12 Unmanaged Ethernet Switch, A-code M12 Ethernet, 48VDC Power Input
	Package List
	1 x Product Unit
	2 x Wall Mount Plates
	1 x Quick Installation Guide



Optional Accessory

Item	
CBL-M12A5W-2M	M12 5-pin A Code 2 Meter Cable
CBL-M12A8WRJ-2M	M12 8-pin A Code to RJ45 2 Meter Cable