MIEN5206GP-2GF-4GTPoE90-DC48

6-Port Layer 2 Gigabit DIN-RAIL Managed PoE++ Industrial Ethernet Switch

- 2 Gigabit SFP ports + 4 Gigabit PoE copper ports
- PoE complies with IEEE802.3af/at/bt standards, with a maximum output power of 90W per port and 240W for the entire device
- MW-Ring v1/v2, ERPS, and STP/RSTP ring network redundancy protocols
- ESD, lightning surge, and burst protection ensure stable operation in complex electromagnetic environments, free from external electromagnetic interference
- Dual DC48-57V power inputs with dual power supply redundancy and reverse polarity protection
- -40° C to +75° C operating temperature, aluminum alloy housing for efficient heat dissipation, and IP40 protection

CE FC RoHS IP40

Product Description

MIEN5206GP-2GF-4GTPoE90-DC48 is a 6-port Layer 2 fully Gigabit managed PoE++ rail-mount industrial Ethernet switch. It provides high-power PoE output, employs a store-and-forward mechanism, boasts powerful bandwidth handling capabilities, automatically detects packet errors, reduces transmission failures, and easily supports Gigabit networks, ensuring stable, reliable, and efficient data transmission.

MIEN5206GP-2GF-4GTPoE90-DC48 supports web-based network management and multiple network protocols, improving network efficiency, reliability, and security, meeting the needs of diverse and complex networks. The fiber ports support a variety of optional SFP optical modules, utilize fiber-optic transmission, and offer strong electromagnetic interference resistance, with a maximum transmission distance of 80km. The PoE copper ports support 10/100/1000M, full/half-duplex, and auto-sensing MDI/MDI-X. They also provide PoE power output, compliant with IEEE802.3af/at/bt standards, and deliver high-power power to standard PDs over Ethernet cables without disrupting network data transmission, saving power and cabling costs. This provides high-bandwidth, low-latency, and highly reliable network communication for industrial automation applications.

MIEN5206GP-2GF-4GTPoE90-DC48 provides two Gigabit fiber ports (SFP slots) and four Gigabit PoE copper ports. Its reliable industrial-grade design allows for an operating temperature range of -40℃to +75℃. It has passed rigorous functional, high- and low-temperature, safety, and electromagnetic immunity testing to meet the demands of diverse network deployments and harsh industrial environments. It is widely applicable in industrial automation, integrated energy, smart cities, intelligent transportation, smart factories, and other fields.

Features and Benefits

- 2 Gigabit fiber ports + 4 Gigabit PoE copper ports
- PoE complies with IEEE 802.3af/at/bt standards, with a maximum output power of 90W per port and 240W for the entire device
- PoE management, including maximum power, port power limit, and priority control
- MW-Ring v1/v2, ERPS, STP/RSTP ring redundancy protocols
- 802.1Q VLANs divide multiple broadcast domains for enhanced security.
- QoS (Quality of Service) prioritizes transmission to alleviate network congestion.
- Storm suppression prevents network storms.
- Static multicast MAC address binding reduces multicast data broadcasts.
- Static port aggregation increases bandwidth and link redundancy.
- MW-NMP private network management protocol.
- Port mirroring, Ping, and DDM facilitate troubleshooting.
- Alarms for dual power failure, port disconnection, and ring network status.
- Protection against static electricity, lightning surges, and bursts ensures stable operation in complex electromagnetic environments, free from external electromagnetic interference.
- Dual DC48-57V power inputs with dual power supply redundancy and reverse polarity protection.
- Aluminum alloy housing for efficient heat dissipation and IP40 protection.
- -40° C to +75° C operating temperature.

Specification

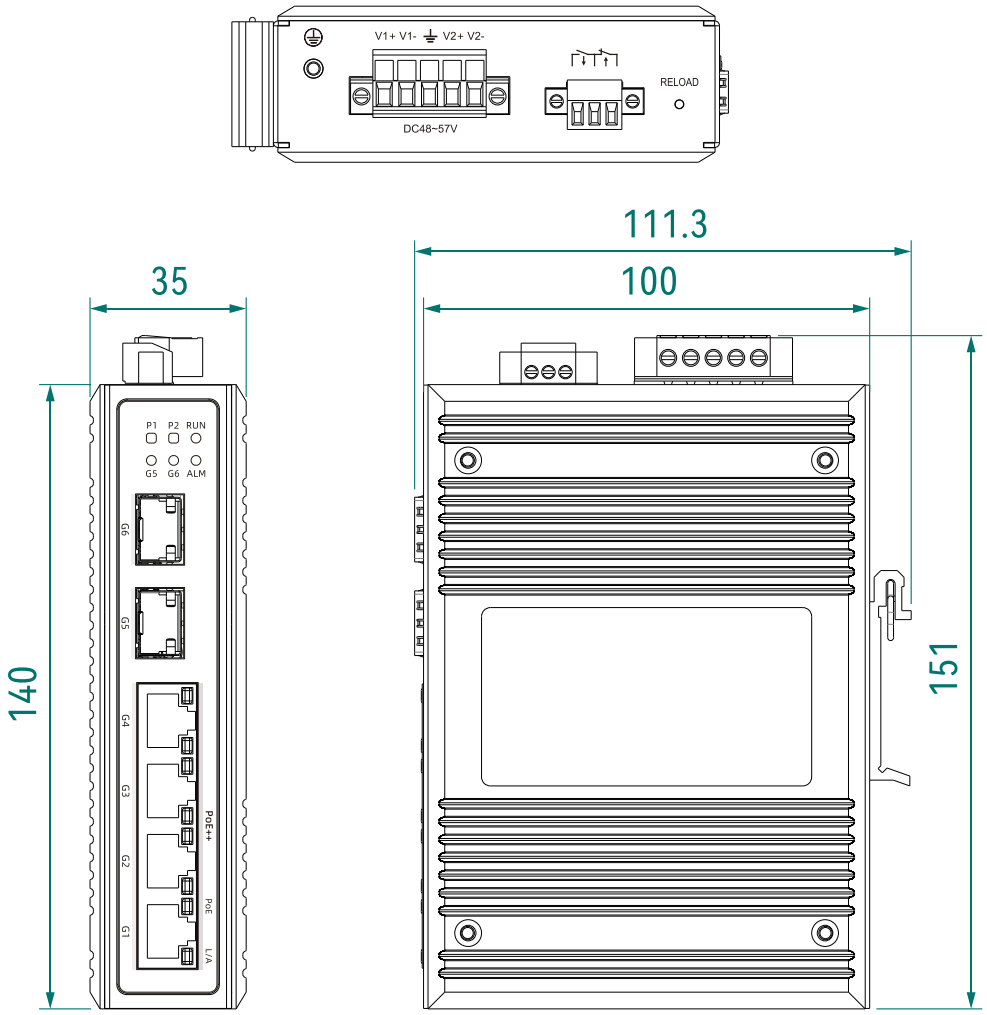
Protocol Standards	
IEEE Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af/at/bt, IEEE 802.3x, IEEE 802.1w, IEEE 802.1Q, IEEE 802.1p
Switch Capability	
Switch	Store-and-forward
Backplane Bandwidth	14Gbps
Buffer Size	2Mbit
Jumbo Frame	16367Byte
MAC Table Size	2K
Interface	
Gigabit Fiber Port	2* 1000Base-X Gigabit SFP slots, compatible with 100Base-FX (we recommend using the SFP modules specified by Maisvch)
Gigabit PoE Copper Port	4* 10/100/1000Base-T(X) adaptive Gigabit PoE RJ45 copper ports, full/half duplex, MDI/MDI-X adaptive; PoE power supply complies with IEEE802.3af/at/bt standards, single-port PoE maximum output power 90W; PoE power supply pins: 3, 6, 4, 5 are positive, 1, 2, 7, 8 are negative
Relay	1* relay alarm output with 3-pin 3.81mm spacing and locking terminal connectors
Button	One-click restart or factory reset
Status LED	Power LED, operation LED, alarm LED, fiber port LED, PoE LED, copper port connection/activity LED
Power Supply	
Input Voltage	DC48-57V, supports dual power supply redundancy and reverse connection protection (When a single PoE port's load exceeds 60W, the power input must be DC54-57V)
Power Consumption	≤4.9W@DC48V (excluding PoE part), the maximum PoE output power of the whole machine is 240W
Connection	5-pin 5.08mm pitch lock terminal block
Physical Characteristics	

Specification

Dimensions	140×35×100 (mm) (DIN rail mounting clip excluded)
Installations	Standard installation on 35mm DIN rails
IP Code	High-strength aluminum alloy housing, IP40
Weight	about 0.47kg
Working Environment	
Operating Temp	-40℃~ +75℃
Storage Temp	-40℃~ +85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standards	
EMC	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 3 IEC 61000-4-4 (EFT): Level 4

Dimensions

Unit: mm



Ordering Information

Standard Model	Gigabit Fiber Port	Gigabit PoE Copper Port	Input Voltage
MIEN5206GP-2GF-4GTPoE90-DC48	2	4	DC48~57V

Contact Us

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