MIEN6208

8-port Layer 2 Fast Ethernet Managed DIN-RAIL Industrial Ethernet Switch

- 8 100M Ethernet interfaces to provide users with flexible networking methods;
- 10Base-T/100Base-TX adaptive, full/half duplex, support automatic MDI/MDI-X connection;
- The patented technology of rapid ring network redundancy (MW-Ring) of less than 20ms enhances the reliability of system communication;
- The use of high-strength enclosed aluminum shell, IP40 protection level, no fan shell fan heat, durable, stable and reliable;
- Support industrial grade with isolated power supply, and provide redundant dual power input to meet the requirements of high availability;
- -40℃~85℃ working temperature meets the application requirements of harsh industrial environment.

CE FC RoHS MW-Ring IP40

Product Introduction

MIEN6208 series supports 8 optional 100M photoelectric interfaces, adopts a store-and-forward mechanism, has a powerful bandwidth processing capability, supports line-speed forwarding, and data transmission is fast and smooth. It is suitable for multiple kind of application scenarios. The product selects industrial-grade components, with high-standard system design and production control, rail-type aluminum alloy shell, sturdy and durable, fan-less high-efficiency heat dissipation, wide temperature operation from -40°C to 85°C, high-standard industrial protection design, and can adapt to various a harsh working environment and stable communication performance.

MIEN6208 series can be managed through Web management or SNMP, while providing MW-Ring, virtual local area network, Trunk, Quality of Service, IGMP Snooping, rate control, port mirroring, static MAC address forwarding, diagnostic functions, Email/Relay, and a series of commonly used advanced management functions such as fault alarm and firmware online upgrade.

Product Features

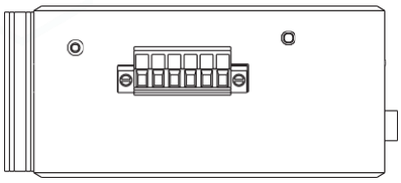
- 8 100M Ethernet interfaces to provide users with flexible networking methods;
- Embedded Web server, remote management and configuration via browser;
- Link redundancy self-recovery technology based on MW-ring technology, self-healing time is less than 20ms;
- Trunk port aggregation;
- Implement broadcast storm detection control (including storm type detection such as broadcast, multicast, and unknown unicast);
- Online firmware upgrade;
- Dynamic IGMP Snooping support, filtering multicast traffic;
- Bandwidth management to prevent unpredictable network problems;
- Based on IEEE 802.1Q VLAN;
- Support QoS, IEEE802.1p and ToS/DiffServe to improve communication quality;
- Support SNMP V1/V2C/V3 different levels of network management;
- Support RMON and private MIB, effective remote data monitoring and prediction capabilities;
- Support port mirroring for online debugging;
- Real-time network time synchronization;
- Meet the requirements of trouble-free work in a strong electromagnetic interference environment.

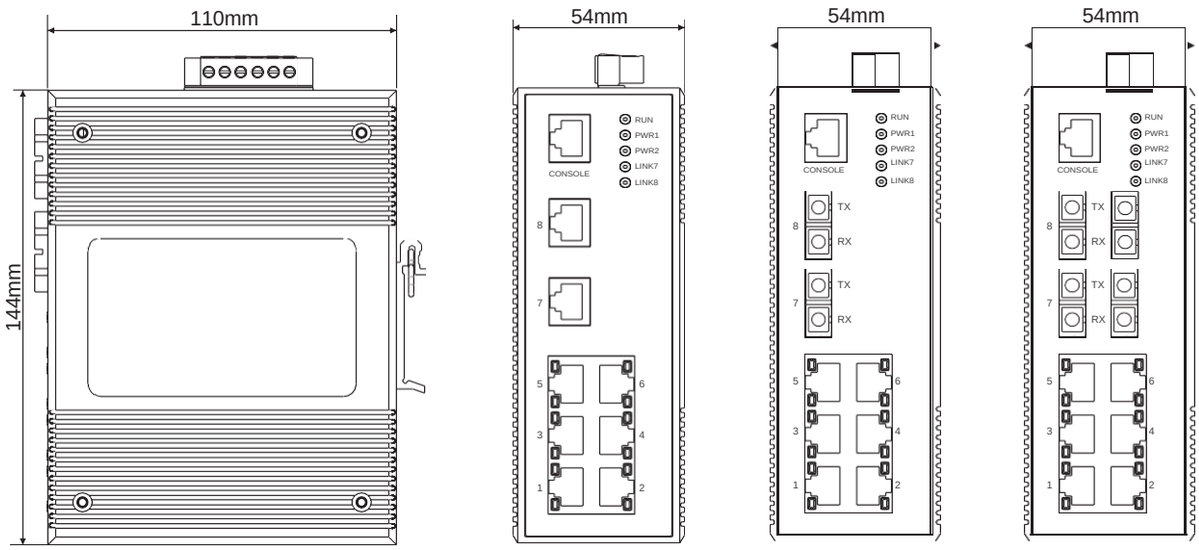
Product Specifications

Parameters	
IEEE standard	802.3, 802.3u, 802.3z, 802.3x, 802.1P, 802.1Q, 802.1D/W, etc.
Switching function	Support VLAN, GVRP
	Support port speed limit, support storm suppression
	Support port aggregation
	Support port flow control
Redundant technology	Support MW-Ring ring network technology
	Support ERPS, MSTP/RSTP, compatible with STP
Multicast technology	Support IGMP v1/v2/v3, IGMP Snooping
	Support GMRP
	Support static multicast
Management and maintenance	Support Console, WEB management mode
	Support SNMPv1/v2c/v3
	Support unified upper computer software management
Exchange method	Store and forward
Backplane bandwidth	7.6Gbps
RJ45 port	4/6/8 10Base-T/100Base-TX
Optical port	2/4 100Base-FX
Electrical port parameters	Physical interface: RJ45 with shielding, IEEE802.3 standard
	RJ45 port: 10Base-T/100Base-TX, support auto-negotiation function
	Transmission distance: 100 meters (standard CAT5/CAT5e cable)
Fiber port parameters	Luminous power: >-12dBm (single mode) >-17dBm (multimode)
	Receiving sensitivity: <-38dBm (single mode) <-35dBm (multimode)
	Wavelength: 1310nm (single mode) 1550nm (single mode) 850 nm (multimode) 1310 nm (multimode)
	Transmission distance: Multimode fiber 850nm, 2km; 1310 nm, 2/5km Single mode fiber 1310nm, 20/40/60km; 1550nm, 20/40/60/80/120km
	Connector type: SC/ST/FC
	Transmission rate: 155Mbps
Power	Input voltage: DC power supply DC12V(9~18V), DC24V(18~36V), DC48V(36~75V) AC power supply AD220V (AC85~264V/DC110~370V)
	Input power consumption: 8W (MAX)
	Overcurrent protection: built-in
Mechanical	Physical dimensions (width × height × depth): 144mm×54mm×110mm

	Installation method: standard DIN rail type
	Heat dissipation form: aluminum alloy single-rib chassis surface heat dissipation, no fan
	Case protection: IP40
Working environment	Working temperature: -40℃~+85℃
	Storage temperature: -40℃~+85℃
	Humidity: 5%~95% (no condensation)
EMC	EN61000-4-2 anti-static (ESD): ±8kV contact discharge, ±15kV air discharge
	EN61000-4-3 electromagnetic field: 10V/m (80-1000MHz)
	IEC61000-4-4 instantaneous high voltage (burst): ±4kV power line, ±2kV data line
	IEC61000-4-5 surge voltage: ±4kV (line/earth), ±4kV (line/line) Power cord, ±2kV data line
	EN61000-4-6 anti-conduction: 3V (10kHz~150 kHz), 10V (150kHz~80 MHz)
	EN55022: EN55022 Class A

Installation Size





Ordering Information

Product Model	100M Based-FX	10/100M Based-TX	Power
MIEN6208	/	8	Dual DC12~48V
MIEN6208-DC48	/	8	Dual DC48V
MIEN6208-AD220	/	8	Single AC/DC220V
MIEN6208-2F (M/S)	2	6	Dual DC12~48V
MIEN6208-2F (M/S) -DC48	2	6	Dual DC48V
MIEN6208-2F (M/S) -AD220	2	6	Single AC/DC220V
MIEN6208-4F (M/S)	4	4	Dual DC12~48V
MIEN6208-4F (M/S) -DC48	4	4	Dual DC48V