

## MIEN2208

### 8-port 10/100M Din-Rail Layer 2 Unmanaged Industrial Ethernet Switch

#### Product description

MIEN2208 series unmanaged industrial Ethernet switch supports IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX self-adaptive RJ45 ports and 100Base-F(X) ports. MIEN2208 series can be operated at wide temperatures range from -40 to 85°C, and its IP40 casing house satisfies any harsh industrial environment.



#### Features:

- 8x100M FX or 10/100M RJ45 optional ports (Port configuration see Ordering Information in last page)
- Support 10Base-T/100Base-TX self-adaptive, full/half duplex, and MDI/MDIX self-adaptive mode
- IP40 rated casing house with fanless thermal design
- Support storm suppression function (only MIEN2208-4F series)
- Support status display indicator lights
- Industrial grade power supply with anti-reverse/overcurrent/overvoltage/EMC protection
- Support power-down status reply alarm output.
- Wide temperature range from -40 to 85°C
- Satisfy harsh industrial environment

## Product specification

### Technical Parameters

Protocol Standard	IEEE802.3, IEEE802.3u(100Base-TX&100Base-FX), IEEE802.3x(Flow control)
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### Switch Capability

MAC Table Size	2k
Switch Bandwidth	1.6Gbps
Storage and Forward rate	MIEN2208-4F series: 148810pps; other models: 1.19Mbbps
MTBF	200000 hours
Switch Latency	<5 $\mu$ s

### Interface

100M port	Number: 8
	Connector: 1×9 fixed fiber port(single/multi-mode optional, SC/FC/ST interface) or RJ45 100M TX port
	Baud rate: 100Base-FX(fiber port), auto-negotiation 10/100Mbase-TX
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block ,1A@24VDC

### Communication Distance

Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	100M multi-mode: 1310nm, 2km
Single mode fiber	100M single mode: 1310nm, 20/40km; 1550nm, 60/80km

### LED Indicator Lights

Front panel LED lights	Port light: LINK/ACT; SPEED
	System work light: RUN
	Power status light: PWR1; PWR2

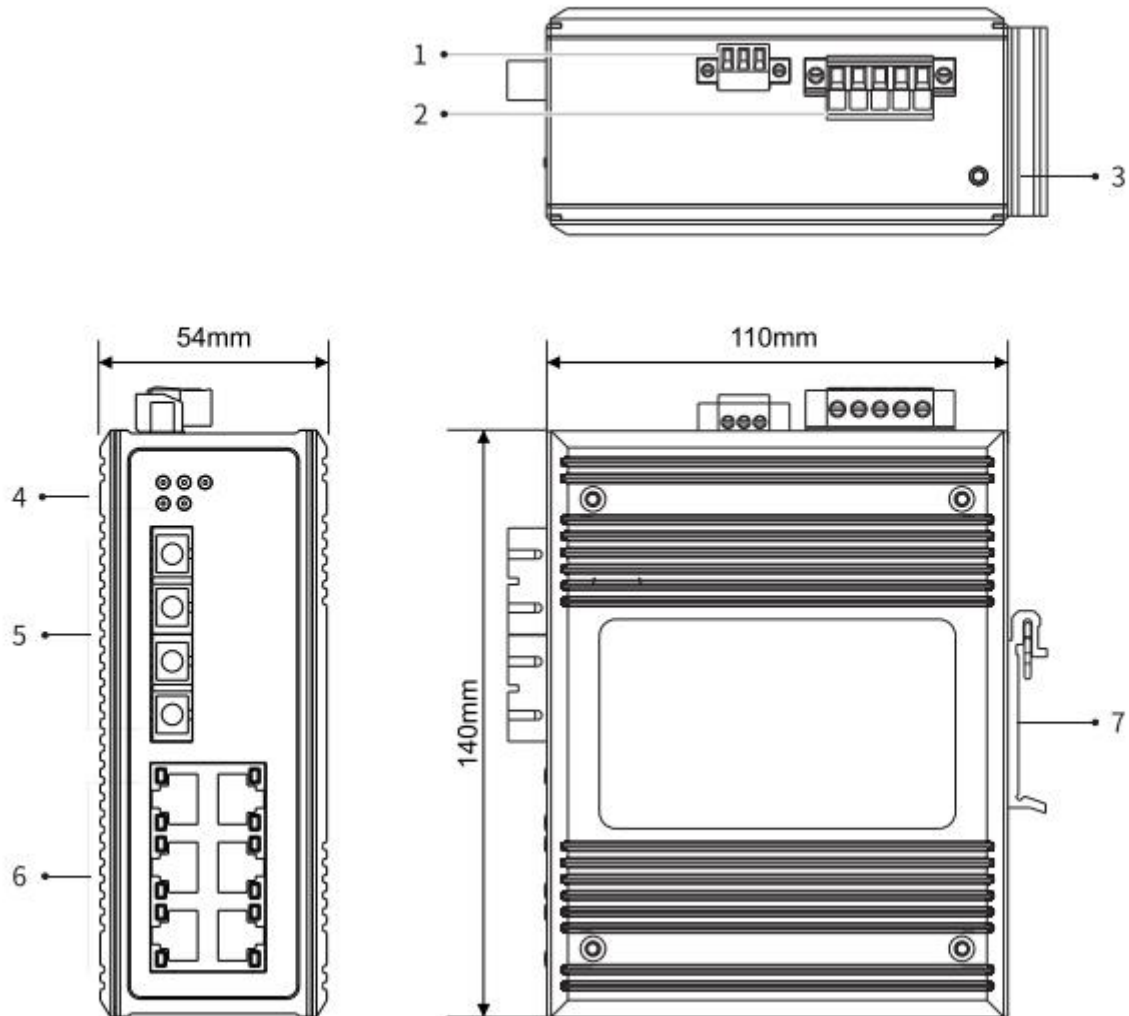
### Power

Input power	DC9~60V(Dual power supply redundancy, non-polarity, reverse connection protection) AD220V,
Power consumption	<5W@24VDC (Among the models, MIEN2208: <1.8W)
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support

### Working Environment

Operating temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%
<b>Physical Characteristics</b>	
Shell	IP40 protection, aluminum alloy shell
Installation	Standard 35mm DIN-rail Mounting
Dimension	MIEN2208: 140mm×35mm×100mm MIEN2208-1F/2F/4F: 140mm×54mm×110mm
<b>Industry standard</b>	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
<b>Warranty</b>	
Warranty	5 Years
Certification	CE, FCC, RoHS

## Dimensional drawing



Din-rail mounting (unit: mm)

## Ordering Information

MIEN2208	8-port 10/100M Tx, redundant DC9~60V power supply
MIEN2208-AD220	8-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply
MIEN2208-M	1-port 100M Fx +7-port 10/100M Tx, redundant DC9~60V power supply, Multi-mode, SC, ST or FC connector are available, 2KM

MIEN2208-S	1-port 100M Fx +7-port 10/100M Tx, redundant DC9~60V power supply,Single-mode,SC,ST or FC connector are available,20KM
MIEN2208-M-AD220	1-port 100M Fx +7-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply,Multi-mode,SC,ST or FC connector are available,2KM
MIEN2208-S-AD220	1-port 100M Fx +7-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply,Single-mode,SC,ST or FC connector are available,20KM
MIEN2208-2M	2-port 100M Fx +6-port 10/100M Tx, redundant DC9~60V power supply, Multi-mode,SC,ST or FC connector are available,2KM
MIEN2208-2S	2-port 100M Fx +6-port 10/100M Tx, redundant DC9~60V power supply,Single-mode,SC,ST or FC connector are available,20KM
MIEN2208-2M-AD220	2-port 100M Fx +6-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply,Multi-mode,SC,ST or FC connector are available,2KM
MIEN2208-2S-AD220	2-port 100M Fx +6-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply,Single-mode,SC,ST or FC connector are available,20KM
MIEN2208-4M	4-port 100M Fx +4-port 10/100M Tx, redundant DC9~60V power supply,Multi-mode,SC,ST or FC connector are available,2KM
MIEN2208-4S	4-port 100M Fx +4-port 10/100M Tx, redundant DC9~60V power supply,Single-mode,SC,ST or FC connector are available,20KM
MIEN2208-4M-AD220	4-port 100M Fx +4-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply,Multi-mode,SC,ST or FC connector are available,2KM
MIEN2208-4S-AD220	4-port 100M Fx +4-port 10/100M Tx, AC85-264V/DC110~370V isolated power supply,Single-mode,SC,ST or FC connector are available,20KM