

## MIEN2220

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

#### Product description

MIEN2220 series switches can be used for simple application in plug-and-play mode to meet the needs of users. All copper ports support auto-negotiation, 10/100Mbps full-duplex and half-duplex, flow control, Auto-MDI/MDI-X and etc. It provides redundant power supply as well as wide range of DC and AC power inputs. In terms of structural installation, the model is compact design and takes up less space. MIEN2220 series can be operated at wide temperatures range from -40 to 85°C, and its IP40 casing house satisfies any harsh industrial environment.



#### Features:

- 4x100M fiber ports + 16x10/100M RJ45 ports
- Start working once connected, quick and convenient
- Support 10Base-T/100Base-TX self-adaptive, full/half duplex, and MDI/MDIX self-adaptive mode
- IP40 rated casing house
- 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 design, fanless thermal design
- Satisfy harsh industrial environment

## Product specification

### Technical Parameters

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

MAC Table Size	8k
Switch Bandwidth	8Gbps
Switch Latency	<5μs

### Interface

100M port	Number: 20
	Connector: 1×9 fixed optical 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 relay alarm	5.08mm terminal block ,1A@24VDC
Terminal block for power input	5.08mm terminal block

### Communication Distance

Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	100M multimode: 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; ALARM
	System work light: RUN
	Power status light: PWR1; PWR2

### Power

Input power	DC9-60V AC85-284V or DC110~370V
Power consumption	<9W@(MAX)
Overload protection	support
Inversed protection	support
Redundancy protection	support

### Working Environment

Operating temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%

## Physical Characteristics

Shell	IP40 protection, aluminum alloy shell
Installation	Standard 35mm DIN-rail Mounting
Dimension	74mm*160mm*122mm

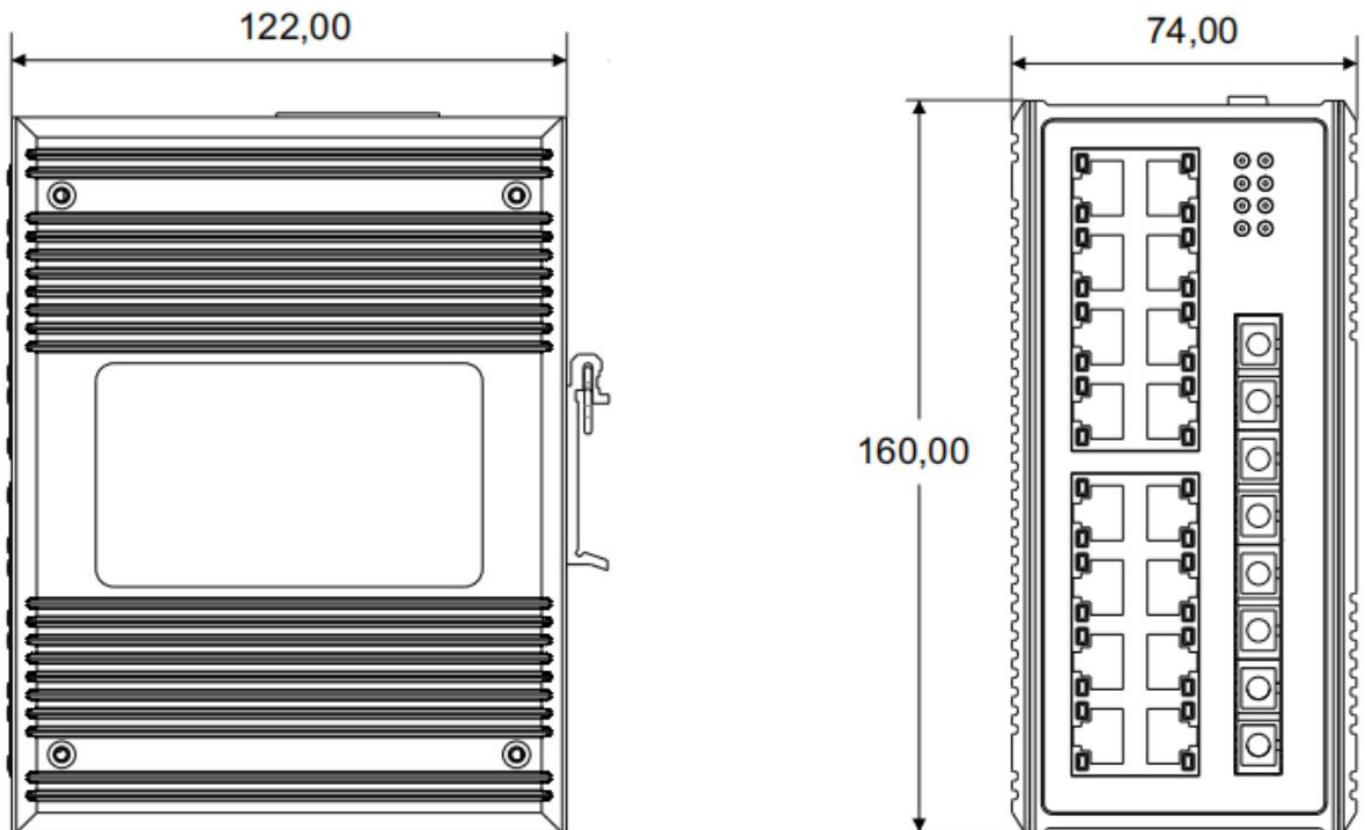
## Industry Standard

EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS0), 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

## Warranty

Warranty	5 Years
Certification	CE, FCC, RoHS

## Dimensional drawing



Din-rail mounting (unit: mm)

## Ordering information

MIEN2220-4M-SC02	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC9-60V power supply,Multi-mode,SC connector,2KM
MIEN2220-4M-ST02	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC9-60V power supply,Multi-mode,ST connector,2KM
MIEN2220-4M-FC02	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC9-60V power supply,Multi-mode,FC connector,2KM
MIEN2220-4S-SC20	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC9-60V power supply,Single-mode,SC connector,20KM
MIEN2220-4S-ST20	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC9-60V power supply,Single-mode,ST connector,20KM
MIEN2220-4S-FC20	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC9-60V power supply,Single-mode,FC connector,20KM
MIEN2220-4M-SC02-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC connector,2KM
MIEN2220-4M-ST02-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,ST connector,2KM
MIEN2220-4M-FC02-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,FC connector,2KM
MIEN2220-4S-SC20-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,SC connector,20KM
MIEN2220-4S-ST20-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,ST connector,20KM
MIEN2220-4S-FC20-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,FC connector,20KM