

## MIEN2210

### 10x10/100M Ports Din-Rail Mounting Layer 2 Unmanaged Industrial Ethernet Switch

#### Product description

MIEN2210 series switches can be used for simple application in plug-and-play. All copper ports support auto-negotiation, Auto-MDI/MDI-X and other functions. It has 10 copper ports, 2x100M fiber ports + 8x10/100M copper ports or 8x100M fiber ports + 2x10/100M copper ports. The 2x100M copper ports support 10/100M auto-sensing, and the 8x100M fiber ports work in 100M mode. This product has a power failure alarm output function, which is convenient for field engineers to find and handle faults in time. MIEN2210 series can be operated at wide temperatures range from -40 to 85°C, and its IP40 casing house satisfies any harsh industrial environment.



#### Features:

- 2x100M FX ports + 8x10/100M RJ45 ports or 8x100M FX ports + 2x10/100M 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 with fanless thermal design
- 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	IEEE802.3i-10BaseT, IEEE802.3u-100BaseTX/100BaseFX, IEEE802.3x(Flow Control)
-------------------	--

### Switch Capability

MAC Table Size	2k
Switch Bandwidth	2Gbps
Switch Latency	<5 $\mu$ s

### Interface

100M port	Number: 10
	Connector: 1 $\times$ 9 fixed fiber port(single/multimode 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

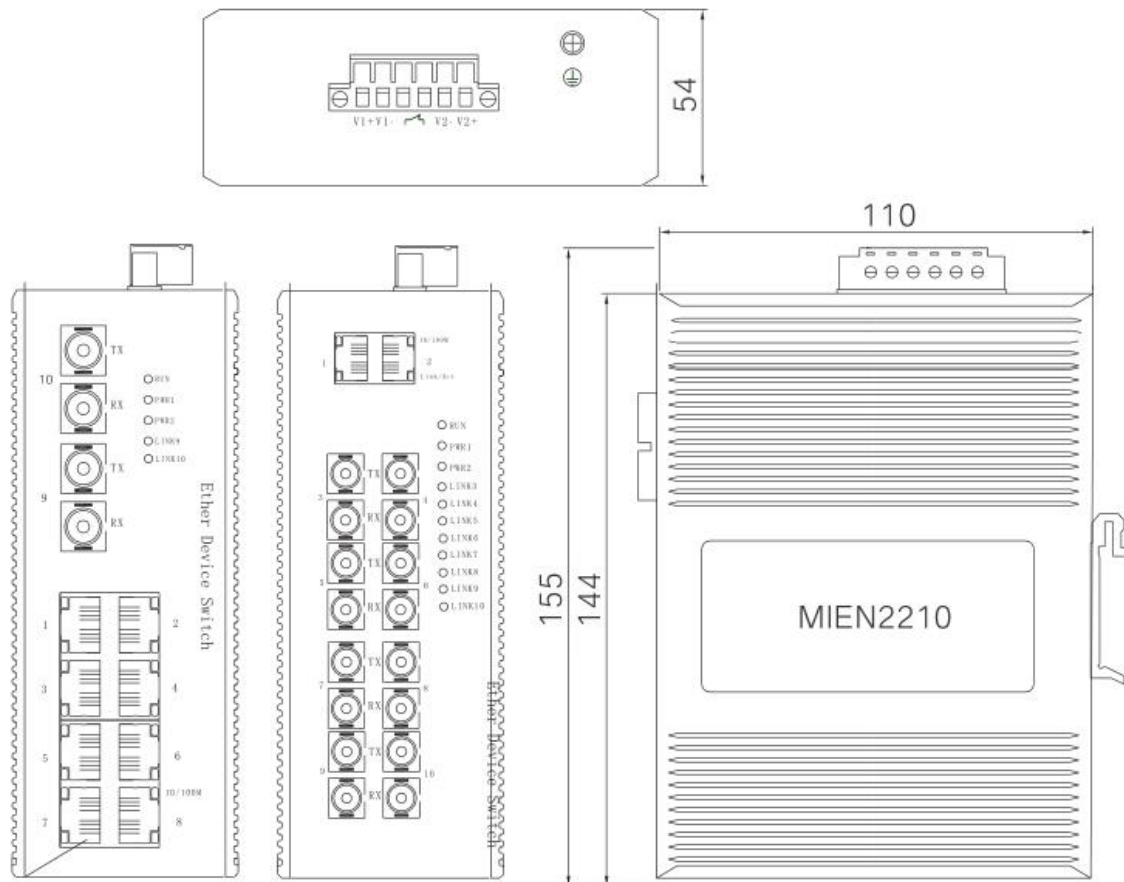
Input power	DC12~48V DC48V AD220V*Please note that built-in DC48V is not supported, DC48V needs to use external power adapter
Power consumption	<6W@(MAX)
Overload protection	support
Inversed protection	support
Redundancy protection	support

### Working Environment

Operating temperature	-40 $^{\circ}$ C~85 $^{\circ}$ 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	54.0mm*144.0mm*110.0m (W×H×D)
<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

MIEN2210-8M-SC02	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC12~48V power supply, Multi-mode, SC connector, 2KM
MIEN2210-8M-ST02	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC12~48V power supply, Multi-mode, ST connector, 2KM
MIEN2210-8M-FC02	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC12~48V power supply, Multi-mode, FC connector, 2KM
MIEN2210-8S-SC20	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC12~48V power supply, Single-mode, SC connector, 20KM
MIEN2210-8S-ST20	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC12~48V power supply, Single-mode, ST connector, 20KM
MIEN2210-8S-FC20	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC12~48V power supply, Single-mode, FC connector, 20KM
MIEN2210-8M-SC02-DC48	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC36~72V power supply, Multi-mode, SC connector, 2KM

MIEN2210-8M-ST02-DC48	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,ST connector, 2KM
MIEN2210-8M-FC02-DC48	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,FC connector, 2KM
MIEN2210-8S-SC20-DC48	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,SC connector, 20KM
MIEN2210-8S-ST20-DC48	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,ST connector, 20KM
MIEN2210-8S-FC20-DC48	8x100M fiber ports +2x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,FC connector, 20KM
MIEN2210-8M-SC02-AD220	8x100M fiber ports +2x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Multi-mode,SC connector, 2KM
MIEN2210-8M-ST02-AD220	8x100M fiber ports +2x10/100M RJ45 ports,AC85-264V/DC110~370V isolated power supply,Multi-mode,ST connector, 2KM
MIEN2210-8M-FC02-AD220	8x100M fiber ports +2x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Multi-mode,FC connector, 2KM
MIEN2210-8S-SC20-AD220	8x100M fiber ports +2x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Single-mode,SC connector, 20KM
MIEN2210-8S-ST20-AD220	8x100M fiber ports +2x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Single-mode,ST connector, 20KM
MIEN2210-8S-FC20-AD220	8x100M fiber ports +2x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Single-mode,FC connector, 20KM
MIEN2210-2M-SC02	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,SC connector, 2KM
MIEN2210-2M-ST02	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,ST connector, 2KM
MIEN2210-2M-FC02	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,FC connector, 2KM
MIEN2210-2S-SC20	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,SC connector, 20KM
MIEN2210-2S-ST20	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,ST connector, 20KM
MIEN2210-2S-FC20	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,FC connector, 20KM
MIEN2210-2M-SC02-DC48	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,SC connector, 2KM
MIEN2210-2M-ST02-DC48	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,ST connector, 2KM
MIEN2210-2M-FC02-DC48	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,FC connector, 2KM
MIEN2210-2S-SC20-DC48	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,SC connector, 20KM

MIEN2210-2S-ST20-DC48	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,ST connector, 20KM
MIEN2210-2S-FC20-DC48	2x100M fiber ports +8x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,FC connector, 20KM
MIEN2210-2M-SC02-AD220	2x100M fiber ports +8x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Multi-mode,SC connector, 2KM
MIEN2210-2M-ST02-AD22	2x100M fiber ports +8x10/100M RJ45 ports,AC85-264V/DC110~370V isolated power supply,Multi-mode,ST connector, 2KM
MIEN2210-2M-FC02-AD22	2x100M fiber ports +8x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Multi-mode,FC connector, 2KM
MIEN2210-2S-SC20-AD22	2x100M fiber ports +8x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Single-mode,SC connector, 20KM
MIEN2210-2S-ST20-AD22	2x100M fiber ports +8x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Single-mode,ST connector, 20KM
MIEN2210-2S-FC20-AD22	2x100M fiber ports +8x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Single-mode,FC connector, 20KM