

MIEN2218

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

Product description

MIEN2218 series switches can be used for simple application in plug-and-play. 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, and a wide range of DC or AC power inputs. In terms of structural installation, the model is compact design and takes up less space. MIEN2218 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 + 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 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	IEEE802.3, IEEE802.3u (100Base-TX&100Base-FX), IEEE802.3x (Flow control)
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Switch Capability

MAC Table Size	8k
Switch Bandwidth	8.8Gbps
Switch Latency	<5μs

Interface

100M port	Number: 18
	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

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	DC12~48V
	DC48V
	AD220V
Power consumption	<10W@(MAX)
Overload protection	support
Inversed 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	160mm×74mm×122mm
Industry Standard	
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
Warranty	
Warranty	5 Years
Certification	CE, FCC, RoHS

Ordering information

MIEN2218-2M-SC02	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,SC connector,2KM
MIEN2218-2M-ST02	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,ST connector,2KM
MIEN2218-2M-FC02	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,FC connector,2KM
MIEN2218-2S-SC20	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,SC connector,20KM
MIEN2218-2S-ST20	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,ST connector,20KM
MIEN2218-2S-FC20	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,FC connector,20KM
MIEN2218-2M-SC02-DC48	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,SC connector,2KM
MIEN2218-2M-ST02-DC48	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,ST connector,2KM
MIEN2218-2M-FC02-DC48	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,FC connector,2KM
MIEN2218-2S-SC20-DC48	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,SC connector,20KM
MIEN2218-2S-ST20-DC48	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power

	supply,Single-mode,ST connector,20KM
MIEN2218-2S-FC20-DC48	2x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,FC connector,20KM
MIEN2218-2M-SC02-AD220	2x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC connector,2KM
MIEN2218-2M-ST02-AD220	2x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,ST connector,2KM
MIEN2218-2M-FC02-AD220	2x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,FC connector,2KM
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