

MIEN6220-4F

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

Product description

MIEN6220-4F managed din-rail industrial Ethernet switch is designed and developed for industrial high-speed communication network applications. It provides a high-end industrial Ethernet communication solution for flexible industrial applications, making industrial communications smoother, more reliable and faster, meeting the needs of customers for innovative value-added applications. MIEN6220-4F can be operated at wide temperatures range from -40 to 85°C, and its IP40 casing house satisfies any harsh industrial environment.



Features:

- 4x10/100BaseF(x) ports + 16x10/100BaseT(x) ports
- Duplex flow control and half-duplex back pressure flow control
- Support MW-Ring with the recovery time<20ms
- Supports real-time broadcast storm monitoring control/rate limit
- Support static multicast/dynamic IGMP snooping/multicast traffic filtering
- Support Port VLAN/IEEE 802.1q VLAN/QoS/port aggregation/port mirroring/IEEE802.1p/ToS DiffServe
- Embedded web server for remote management and configuration via browser
- Support RMON and private MIB table
- Support power-down status relay alarm output
- Support industrial grade dual power input backup

Product specification

Software performance

Redundancy protocol	Support MW-Ring and the recovery time<20ms Support STP/RSTP/MSTP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3 Support GMRP Support static multicast
Management and maintenance	Support Console and Web management methods Support SNMPv1/v2c Support unified PC software management

Technical specifications

Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protocol IEEE802.1Q -VLAN Tagging IEEE802.1p -Class of Service IEEE802.1X-Port Based Network Access Control
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Switch properties

Priority queue	4
VLAN ID	1-4096
IGMP Groups	256
MAC table	8k
Switch Bandwidth	8.8Gbps
Switch Latency	<5μs

Interface

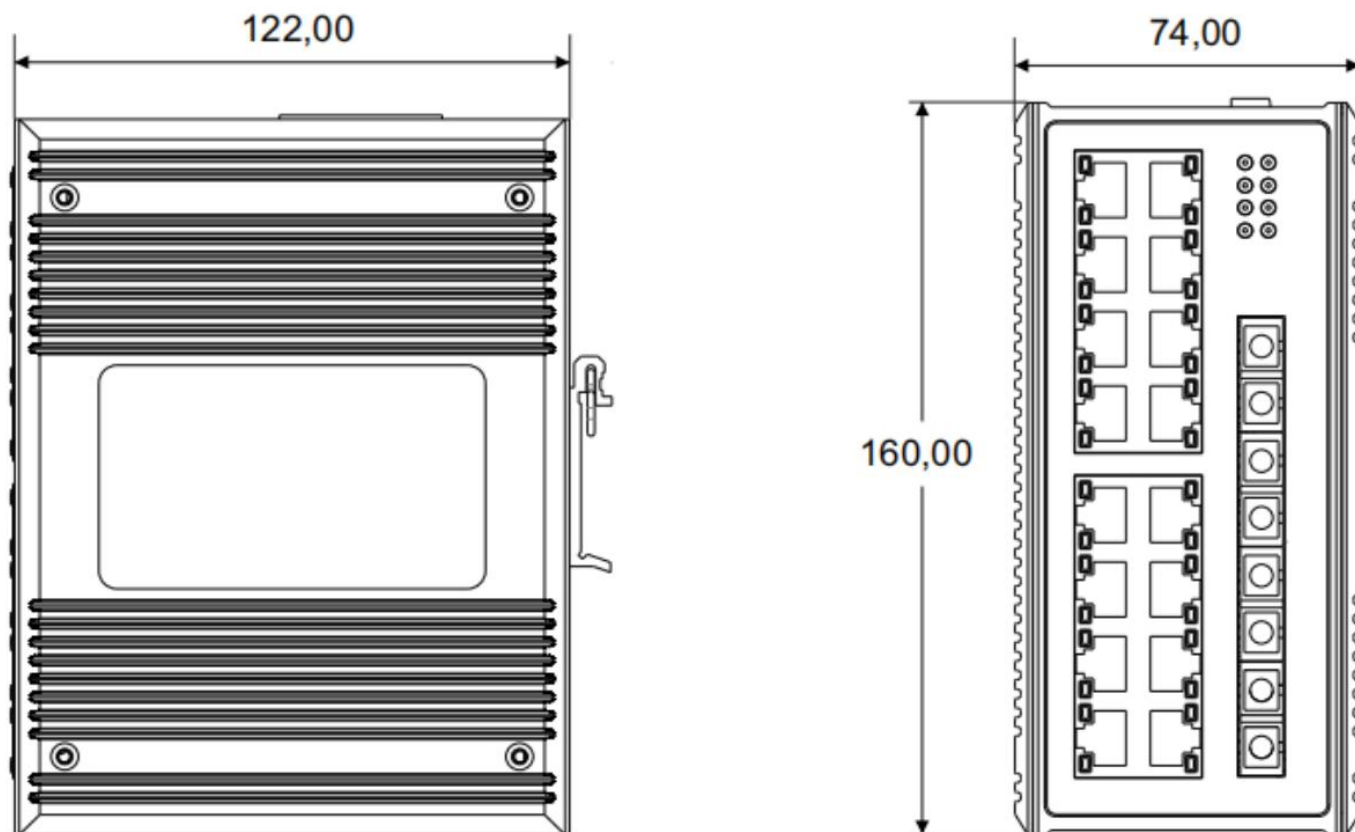
10/100Base ports	Port numbers: 20
	Connector:1x9 fixed F(x)(Single/multi-mode or SC/FC/ST port available)
	Baud rate: 100Base-FX(fiber port), auto-negotiation 10/100Base-Tx
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block, 1A@24VDC

Communication distance

Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	10/100Base multi-mode: 1310nm 2km

Single mode fiber	10/100Base single-mode: 1310nm 20/40km;1550nm 60/80km
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT, SPEED
	Running light: RUN
	Power LED: PWR1/PWR2
Power requirements	
Power input	DC12~48V DC48V AD220V
Full-load consumption	<12W
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%(non-condensing)
Physical characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	35mm din rail-mounted installation
Dimension	74mmx160mmx122mm
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 period	5 Years
Certification	CE/FCC/RoHS

Dimensional drawing



Din-rail mounting (unit: mm)

Ordering Information

MIEN6220-4M-SC02	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,SC connector,2KM
MIEN6220-4M-ST02	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,ST connector,2KM
MIEN6220-4M-FC02	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,FC connector,2KM
MIEN6220-4S-SC20	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,SC connector,20KM
MIEN6220-4S-ST20	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,ST connector,20KM
MIEN6220-4S-FC20	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,FC connector,20KM
MIEN6220-4M-SC02-DC48	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,SC connector,2KM
MIEN6220-4M-ST02-DC48	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,ST connector,2KM

MIEN6220-4M-FC02-DC48	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,FC connector,2KM
MIEN6220-4S-SC20-DC48	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,SC connector,20KM
MIEN6220-4S-ST20-DC48	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,ST connector,20KM
MIEN6220-4S-FC20-DC48	4x100 fiber ports+16x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,FC connector,20KM
MIEN6220-4M-SC02-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC connector,2KM
MIEN6220-4M-ST02-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC connector,2KM
MIEN6220-4M-FC02-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,FC connector,2KM
MIEN6220-4S-SC20-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,SC connector,20KM
MIEN6220-4S-ST20-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,ST connector,20KM
MIEN6220-4S-FC20-AD220	4x100 fiber ports+16x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,FC connector,20KM