

MIEN5205C

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

Product description

MIEN5205C series products are a new-generation industrial Ethernet switch for industrial communication front-end data access. MIEN5205C supports traditional 2 10/100M fiber ports+3 10/100M copper ports or 1 10/100M fiber port+4 10/100M copper ports on the interface. It also expands the 2-way RS232, RS485, and CANBus, completely solving the unified Ethernet transmission and device management platform from the access layer for the industrial communication field.



Features

- 2x10/100BaseF(x) + 3x10/100BaseT(x) OR 1x10/100BaseF(x) + 4x10/100BaseT(x)
- Support 2 RS-232/RS-485/CAN ports
- Support MW-Ring with the recovery time<20ms
- Support indicator status display and fast dial switch ring control
- Supports real-time broadcast storm monitoring control/rate limit
- Support IEEE802.1p/port VLAN/IEEE 802.1q VLAN/QoS/port aggregation/port mirroring/ToS DiffServe
- Support industrial grade dual power input backup
- Support power-down status relay alarm output
- Industrial grade wide temperature/fanless design

Product specification

Software performance

Redundancy protocol	Support MW-Ring and the recovery time<20ms Support STP/RSTP
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 IEEE802.1p -Class of Service
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Switch properties

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

Interface

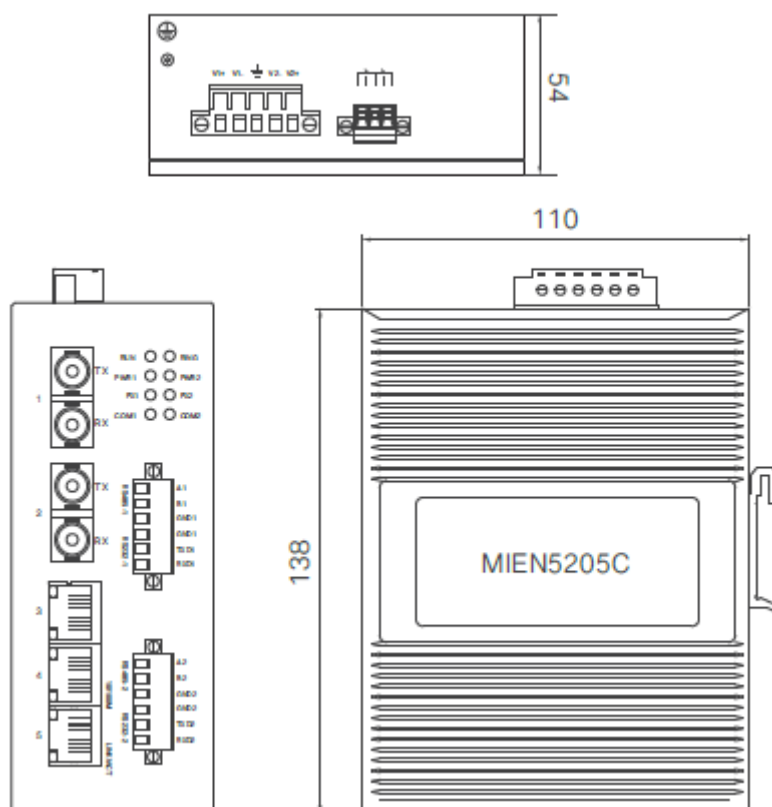
10/100Base ports	Port numbers: 5
	Connector: 9 fixed F(x)(Single/multi-mode or SC/FC/ST port available) or RJ45
	Baud rate: 100Base-FX(fiber port), auto-negotiation 10/100M TX
Serial port	Port numbers: support 2 RS232 or RS485
	Connector: 6-core locking 3.08mm terminal block
	Baud rate:300-115.2Kbps
CAN port	Port numbers: 2
	Connector: 6-core locking 3.08mm terminal block
	Baud rate: 1MB/s(MAX)
Terminal block for power input	2-core locking 5.08mm terminal block

Communication distance

Twisted-pair	100m(CAT5/CAT5e cable)
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Multi-mode fiber	10/100Base multi-mode: 1310nm 2km
Single mode fiber	10/100Base single mode: 1310nm 20/40km; 1550nm 60/80km
LED indicator lights	
LED	Power States LED/10/100BaseF(x) LED/10/100BaseT(x) LED/ Data LED/ Support customer's own external indicator
Restart button	Support
Reset	Support
Ring dialing code	Support
Power requirements	
Power input	Redundant DC12~48V power supply
Full-load consumption	<3.7W
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	54mmx138mmx110mm
Warranty	
Warranty period	5 Years
Certification	CE/ FCC/ RoHS

Dimensional drawing



Din-rail mounting (unit: mm)

Ordering Information

MIEN5205C-F-2D232/485	1-port 100Fx + 4-port 10/100 Tx + 2-port RS485/232, redundant DC12~48V power supply.
MIEN5205C-2F-2D232/485	2-port 100Fx + 3-port 10/100Tx +2-port RS485/232, redundant DC12~48V power supply