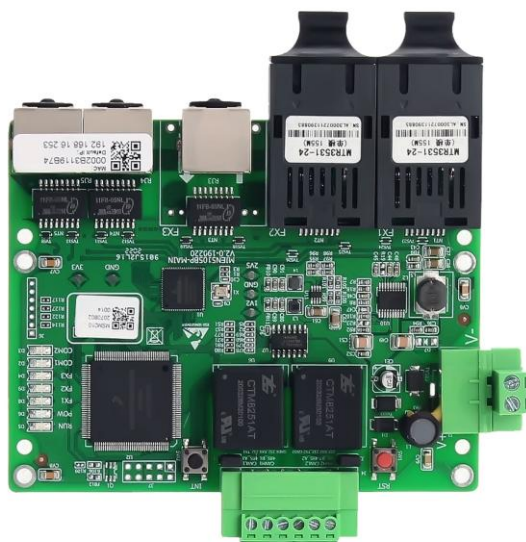


MIEN5105C

5-Port Managed Embedded Industrial Ethernet Switch

Product description

MIEN5105C series products are equipped with 3x100M fiber ports, 2x10/100M adaptive copper ports or 2x100M fiber ports, 3x10/100M adaptive copper ports or 2 way RS485 and CAN. It is a high-performance, low-power, simple network-managed industrial Ethernet switch with RS485 or CAN bus interface. The product provides a fixed-hole desktop installation method that can adapt to different installation environments and is easy to match.



Features:

- 5 x10/100M based-Fx/Tx optional ports;
- Support RS-485 ports or CAN bus data interfaces;
- Support interface status indicator display and extension;
- Support MW-Ring ring network patent technology (failure recovery time is less than 20ms);
- Support static multicast filtering technology, IGMP Snooping;
- Support broadcast storm suppression and port rate control functions;
- Support industrial grade power input, low power design;
- Support relay power down, fiber drop, storm alarm output;
- Support network management functions such as VLAN and QoS;
- Industrial grade wide temperature design, fanless thermal design.

Product specification

Software performance

Switching Function	Support port speed limit Support port VLAN, IEEE 802.1Q VLAN Support broadcast storm suppression
Redundancy protocol	Support MW-Ring and the recovery time<20ms Support RSTP,STP.
Multicast routing	Support IGMP snooping/ IGMP v1/v2 Support GMRP Support static multicast
Service quality management	Support Qos priority function
Management and maintenance	Host computer unified management platform Support serial server function Support CAN server function

Technical specifications

Ethernet Standard	IEEE802.3 (Ethernet), IEEE802.3u (100Base-TX and 100Base-FX), IEEE802.3x (flow control), IEEE802.1Q (VLAN), IEEE802.1p (priority)
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Switch properties

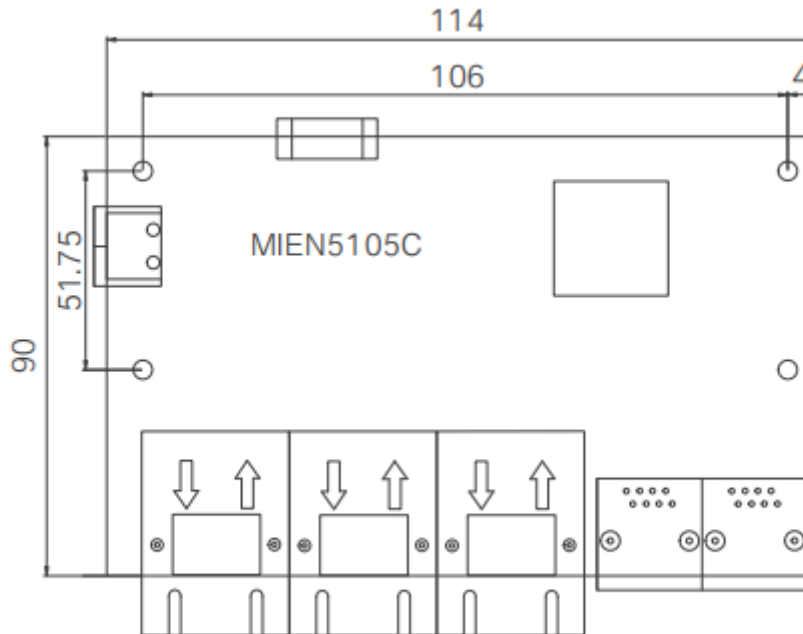
Priority queue	4
VLAN number	4096
IGMP Groups	256
MAC table	2k
Switch Bandwidth	1.2Gbps
Switch Latency	<5μs

Interface

100M ports	Port numbers: 5
	Connector: 1x9 fixed fiber port(single or multimode, SC/FC/ST available)or RJ45
	Baud rate:100Base-FX/ 10/100M-T(x) auto-negotiation RJ45 port
Serial port	Port number:Support up to 4 RS232 or RS485 optional, standard RS485 interface
	Interface form: 6 core with lock 5.08mm pitch signal wiring socket
	Interface rate: 300 ~ 115.2Kbps
CAN port	Port number:2.Multiplexing with serial interface

	Interface form: 6 core with lock 3.81mm pitch signal wiring socket
	Port rate:1 MB/s(MAX)
Console port	RS232/RJ45
Terminal block for power input	2 core with lock 5.08mm pitch signal wiring socket
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	100M multi-mode: 850nm 2km
Single mode fiber	100M single mode: 1310nm 20km/40km; 1550nm: 60km/80km
LED indicator lights	
Indicator lights	Power status indicator
	100M interface indicator
	CAN data transceiver indicator
	serial data transceiver indicator
Power Requirements	
Power input	DC5-32V
Full-load consumption	<3.67W(Max)
Working Environment	
Operating Temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%(non-condensing)
Physical Characteristics	
Shell	None
Installation	Positioning hole installation
Dimension	114mm×90mm×17mm
Warranty	
Warranty period	5 Years
Certification	CE, FCC, RoHS

Dimensional drawing



Positioning hole installation (Unit: mm)

Ordering information

MIEN5105C-2F(M/S)-2D485	2x10/100M fiber ports + 3x10/100M based- Tx ports + 2 RS485 ports, standard single DC5~32V power supply
MIEN5105C-2F(M/S)-2CAN	2x10/100M fiber ports + 3x10/100Mbased-Tx ports + 2 CAN ports, standard single DC5~32V power supply
MIEN5105C-2F(M/S)-D485-CAN	2x10/100M fiber ports + 3x10/100Mbased-Tx ports +1 RS485 ports+ 1 CAN ports, standard single DC5~32V power supply
MIEN5105C-3F(M/S)-2D485	3x10/100M fiber ports + 2x10/100M based-Tx ports + 2 RS485 ports, standard single DC5~32V power supply
MIEN5105C-3F(M/S)-2CAN	3x10/100M fiber ports + 2x10/100M based-Tx ports + 2 CAN ports, standard single DC5~32V power supply
MIEN5105C-3F(M/S)-D485-CAN	3x10/100M fiber ports + 2x10/100Mbased-Tx ports +1 RS485 ports+ 1 CAN ports, standard single DC5~32V power supply