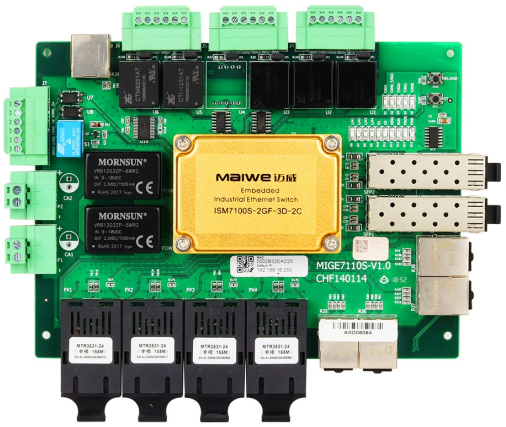
MISCOM7110S SERIES

Layer2 Embedded Managed Industrial Ethernet Switch

Product description

MISCOM7110S layer-2 embedded Industrial Ethernet Switch is a high-performance Ethernet embedded product developed by Maiwe Communication for coal mine industry. The product uses high-performance industrial-grade switch chip and supports 2 Gigabit ports + 8x100M ports ,especially suitable for large data traffic transmission applications. Meanwhile,MISCOM7100S also supports MW-Ring that independently developed by Mawe. Recovery time is less than 20 ms



Features:

-2 gigabit fiber port +8x100M based-Fx/Tx Port

-Support 3 serial port + 2 CAN port

-Support MW-Ring with the recovery time<20ms

-Support static multicast/IGMP Snooping

-Support broadcast storm suppression/ Rate limit

-Support industrial level power input with low power consumption design

-support power loss, fiber drop, broadcast storm alarm output

-Support VLAN/Qos and other web management

-Industrial grade wide temperature/ fanless

Wuhan Maiwe Communication Co., Ltd
Tel: 027-87170215/16 Fax: 027-87170217
Add:No.2 building,Area E Fenghuang Industrial park,No.52 Liufang Avenue, East lake High-tech Development Zone,Wuhan,China

Product specification

Software performance

Switch Function	Support VLAN/IEEE 802.1Q VLAN Support port aggregation. Support flow control. Support Rate limit Support broadcast storm suppression.
Redundancy protocol	Support MW-Ring and the recovery time<20 ms. Support RSTP/STP
Security technology	Support IEEE 802.1x Support HTTP/HTTPS Support RADIUS Support User rating
Multicast routing	Support IGMP snooping/ IGMP v1/v2 Support GMRP/static multicast
Service quality management	Support Qos setting Support SP/ WRR queuing
IP management	Support DHCP server
Management and maintenance	Support Console and Web management methods Support SNMPv1/v2c Support software upgrade Support host computer IP/MAC conflict alarm Support power failure alarm/power alarm/port alarm/support port mirroring Support log viewing Support Link-check Support NTP Support accept frame transmission frame statistics

Technical specifications

Ethernet Standard	IEEE802.3(Ethernet) IEEE802.3u (100Base-TX&100Base-FX) IEEE802.3x (Flow Control) IEEE802.3ab (1000Base-T) IEEE802.3z（1000Base-LX） IEEE802.1D（STP） IEEE802.1w (RSTP) IEEE802.1Q (VLAN) IEEE802.1p (Priority) IEEE802.1x（Visiting Control）

Switch properties

Priority queue	4

Wuhan Maiwe Communication Co., Ltd
Tel: 027-87170215/16 Fax: 027-87170217
Add:No.2 building,Area E Fenghuang Industrial park,No.52 Liufang Avenue, East lake High-tech Development Zone,Wuhan,China

VLAN Number	4096
IGMP Groups	256
MAC table	8k
Switch Bandwidth	5.6Gbps
Switch Latency	<5μs

Interface

Gigabit ports	Port numbers: 2 Connector: Interface form: SFP optical port (LC interface, single / multi-mode optional) or 10/100 / 1000M adaptive copper module. Baud rate: 1000Base-LX(fiber port), 10/100/1000M for copper port
100M ports	Port numbers:8 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:2 RS232/RS485 Interface form: 6 core with lock 3.81mm pitch signal wiring socket Port rate:300~115.2Kbps
CAN port	Port number:1 Interface form: 6 core with lock 3.81mm pitch signal wiring socket Port rate:1 MB/s(MAX)
Debugging port	RS232/RJ45
Terminal block for power input	2 core with lock 5.08mm pitch signal wiring socket
Terminal block for relay alarm	6-core with lock 3.81mm pitch alarm signal wiring socket, 2 power input alarm, 1 relay output alarm

Communication distance

Twisted-pair	100m(CAT5/CAT5e cable)
Multimode fiber	Gigabit multimode: 850nm 550m; 10/100M multimode: 1310nm 2km;
Single mode fiber	Gigabit single mode: 1310nm 20km; 10/100M single mode: 1310nm 20/40km;1550nm 60/80km;

LED indicator lights

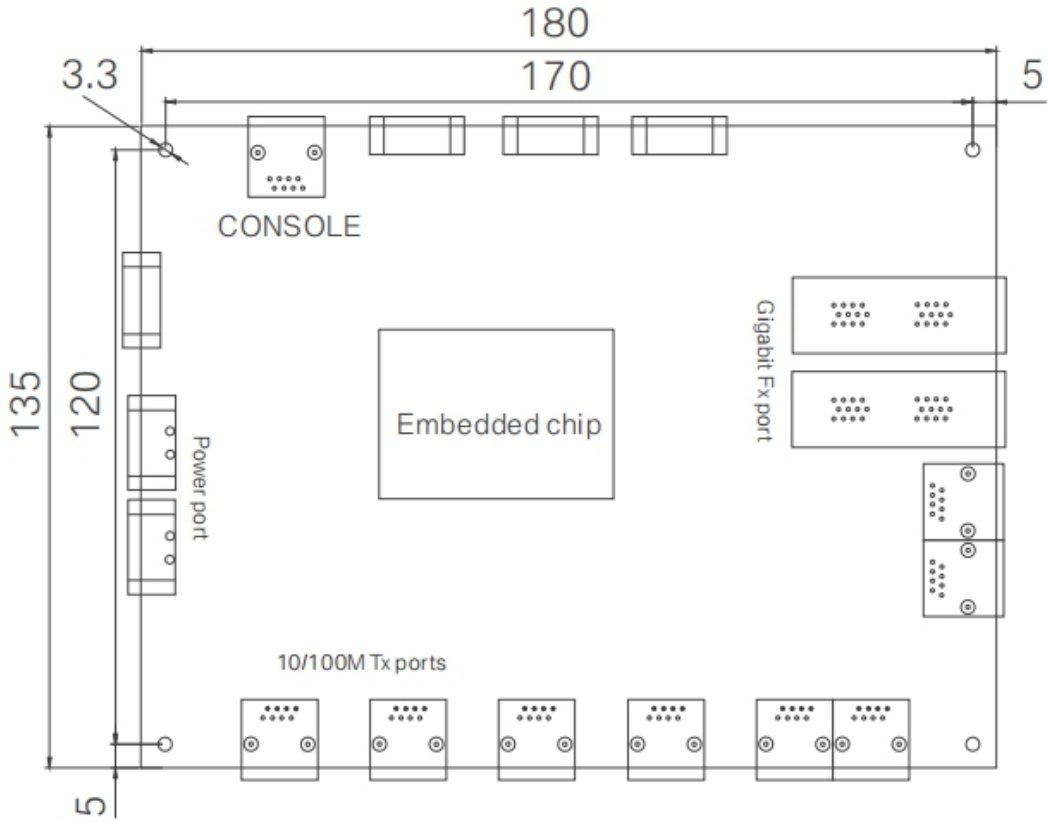
Front panel LED	Host computer running indicator System Running indicator Power States indicator CAN Data transmission and reception indicator

Wuhan Maiwe Communication Co., Ltd
Tel: 027-87170215/16 Fax: 027-87170217
Add:No.2 building,Area E Fenghuang Industrial park,No.52 Liufang Avenue, East lake High-tech Development Zone,Wuhan,China

	Serial port Data transmission and reception indicator
	100M port indicator
Power Requirements	
Power input	DC12V/DC24V/DC48V available
Full-load consumption	<7W(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	180mm×135mm
Warranty	
Warranty period	5 Years
Certification	CE, FCC, RoHS

Wuhan Maiwe Communication Co., Ltd
Tel: 027-87170215/16 Fax: 027-87170217
Add:No.2 building,Area E Fenghuang Industrial park,No.52 Liufang Avenue, East lake High-tech Development Zone,Wuhan,China

Dimensional drawing



Positioning hole installation (Unit: mm)

Ordering information

MISCOM7110S-2GF-3D485-2CAN	2 Gigabit fiber ports +8x10/100M copper ports + 3 RS485 ports + 2 CAN ports, single DC12/24 /48V power supply.
MISCOM7110S-2GF-F(M/S)-2D485-2CAN	2 Gigabit fiber ports + 1x100M fiber port + 7x10/100M copper ports + 3 RS485 ports + 2 CAN ports, single DC12 /24 / 48V power supply.
MISCOM7110S-2GF-2F(M/S)-3D485-2CAN	2 Gigabit fiber ports + 2x100M fiber ports + 6x10/100M copper ports + 3 RS485 ports + 2 CAN ports, single DC12/24/48V power supply.
MISCOM7110S-2GF-3F(M/S)-2D485-2CAN	2 Gigabit fiber ports + 3x100M fiber ports + 5x10/100M copper ports + 3 RS485 ports + 2 CAN ports, single DC12/24/ 48V power supply.
MISCOM7110S-2GF-4F(M/S)-2D485-2CAN	2 Gigabit fiber ports + 4x100M fiber ports + 4x10/100M copper ports + 3 RS485 ports + 2 CAN ports, single DC12/24/ 48V power supply.

Wuhan Maiwe Communication Co., Ltd
Tel: 027-87170215/16 Fax: 027-87170217
Add:No.2 building,Area E Fenghuang Industrial park,No.52 Liufang Avenue, East lake High-tech Development Zone,Wuhan,China