

## MISCOM7210-2GF

### 10-Port Gigabit Layer 2 Managed Din-Rail Industrial Ethernet Switch

#### Product description

MISCOM7210 is a high-performance Layer 2 industrial Ethernet switch meeting 35mm DIN-Rail mounting standard, which supports VLAN, multicast, QoS, MW-Ring and many other Layer 2 software features, and supports a user-friendly web console interface for easy configuration, offering the optimum performance and availability for demanding industrial communication.



#### Features:

- 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 IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab 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	7.6Gbps
Switch Latency	<5μs

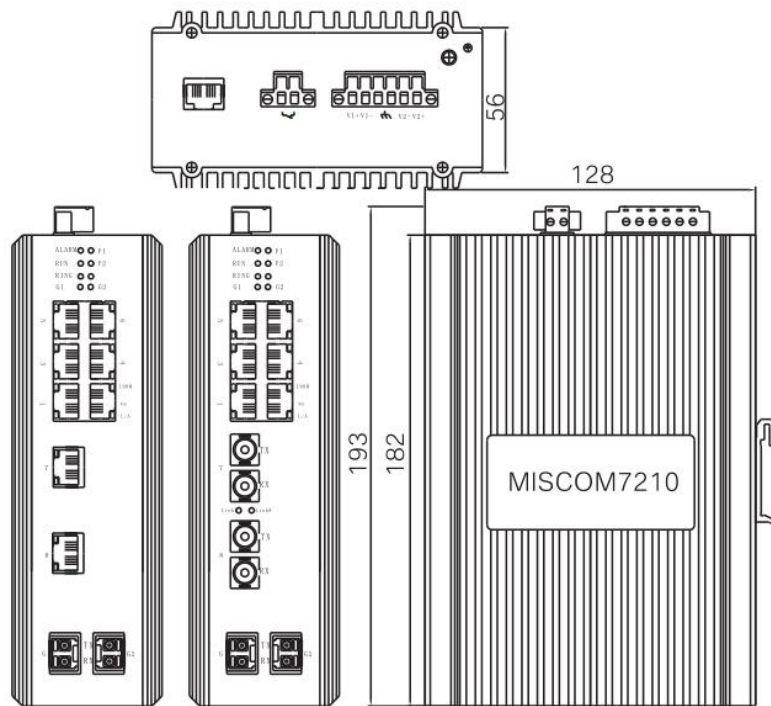
### Interface

Gigabit ports	Port numbers:2
	Connector: SFP for fiber port(LC, single or multi-mode)or auto-negotiation 10/100/1000M-Tx module
	Baud rate:1000Base-LX(fiber port), auto-negotiation 10/100/1000M-Tx port
10/100Base port	Port numbers:8
	Connector:9 fixed FX(single/ multi-mode; SC/FC/ST) or RJ45 port
	Baud rate:100Base-FX; 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
<b>Communication distance</b>	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	Gigabit multi-mode: 850nm 550m; 10/100Base multi-mode: 1310nm 2km
Single mode fiber	Gigabit single mode: 1310nm 20km; 10/100Base single mode: 1310nm 20/40km; 1550nm 60/80km
<b>LED indicator lights</b>	
Front panel LED lights	Port light: LINK/ACT;SPEED; Gx
	Running light: RUN
	Power LED: PWR1/PWR2
	Ring LED: RING
<b>Power requirements</b>	
Power input	DC12V/DC24V/DC48V/AD220V available
Full-load consumption	<10W
Overload protection	support
Inversed protection	support
Redundancy protection	support
<b>Working environment</b>	
Operating temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%( non-condensing)
<b>Physical characteristics</b>	
Shell	IP40 protection, aluminum alloy shell
Installation	35mm din rail-mounted installation
Dimension	56mmx182mmx128mm
<b>Industry standard</b>	
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
<b>Warranty</b>	
Warranty period	5 Years
Certification	CE, FCC, RoHS

## Dimensional drawing



Din rail mounting (unit: mm)

## Ordering Information

MISCOM7210-2GF-DC12	2-port Gigabit SFP + 8-port 10/100Tx, redundant DC12V(9~18V) isolated power supply
MISCOM7210-2GF-DC24	2-port Gigabit SFP + 8-port 10/100Tx, redundant DC24V(18~36V) isolated power supply
MISCOM7210-2GF-DC48	2-port Gigabit SFP + 8-port 10/100Tx, redundant DC48V(36~72V) isolated power supply
MISCOM7210-2GF-AD220	2-port Gigabit SFP + 8-port 10/100Tx, AC85-264V/DC110~370V isolated power supply
MISCOM7210-2GF-2M-DC12	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx, redundant DC12V(9~18V) isolated power supply, Multi-mode, SC, ST, FC connector available, 2KM.
MISCOM7210-2GF-2M-DC24	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx, redundant

	DC24V(18~36V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-2M--DC48	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx, redundant DC48V(36~72V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-2M-AD220	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx,AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC,ST,FC connector available,2KM
MISCOM7210-2GF-2S-DC12	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx, redundant DC12V(9~18V) isolated power supply,Single-mode,SC,ST,FC connector available,20KM
MISCOM7210-2GF-2S-DC24	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx, redundant DC24V(18~36V) isolated power supply,Single-mode,SC,ST,FC connector available,20KM
MISCOM7210-2GF-2S-DC48	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx, redundant DC48V(36~72V) isolated power supply,Single-mode,SC,ST,FC connector available,20KM;
MISCOM7210-2GF-2S-AD220	2-port Gigabit SFP + 2-port 100Fx +6-port 10/100Tx,AC85-264V/ DC110~370V isolated power supply,Single-mode,SC,ST,FC connector available,20KM
MISCOM7210-2GF-4M-DC12	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx, redundant DC12V(9~18V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-4M-DC24	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx, redundant DC24V(18~36V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-4M--DC48	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx, redundant DC48V(36~72V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
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MISCOM7210-2GF-4S-AD220	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx,AC85-264V/ DC110~370V isolated power supply,Single-mode,SC,ST,FC connector available,20KM

MISCOM7210-2GF-8M-DC12	2-port Gigabit SFP + 8-port 100Fx ,redundant DC12V(9~18V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-8M-DC24	2-port Gigabit SFP + 8-port 100Fx ,redundant DC24V(18~36V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-8M--DC48	2-port Gigabit SFP + 8-port 100Fx ,redundant DC48V(36~72V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-8M-AD220	2-port Gigabit SFP + 8-port 100Fx ,AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC,ST,FC connector available,2KM
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MISCOM7210-2GF-8S-DC48	2-port Gigabit SFP + 8-port 100Fx,redundant DC48V(36~72V) isolated power supply,Single-mode,SC,ST,FC connector available,20KM;
MISCOM7210-2GF-8S-AD220	2-port Gigabit SFP + 8-port 100Fx ,AC85-264V/ DC110~370V isolated power supply,Single-mode,SC,ST,FC connector available,20KM
MISCOM7210-2GF-4M-2D485-DC12	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,redundant DC12V(9~18V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-4M-2D485-DC24	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,redundant DC24V(18~36V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-4M-2D485-DC48	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,redundant DC48V(36~72V) isolated power supply,Multi-mode,SC,ST,FC connector available,2KM.
MISCOM7210-2GF-4M-2D485-AD220	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,AC85-264V/ DC110~370V isolated power supply,Multi-mode,SC,ST,FC connector available,2KM
MISCOM7210-2GF-4S-2D485-DC12	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,redundant DC12V(9~18V) isolated power supply,Single-mode,SC,ST,FC connector available,20KM
MISCOM7210-2GF-4S-2D485-DC24	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,redundant DC24V(18~36V) isolated power supply,Single-mode,SC,ST,FC connector available,20KM
MISCOM7210-2GF-4S-2D485-DC48	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,redundant DC48V(36~72V) isolated power

	supply,Single-mode,SC,ST,FC connector available,20KM;
MISCOM7210-2GF-4S-2D485-AD220	2-port Gigabit SFP + 4-port 100Fx +4-port 10/100Tx+2RS485 serial ports,AC85-264V/ DC110~370V isolated power supply,Single-mode,SC,ST,FC connector available,20KM