MISCOM7210G-2GF-8GT

10-port Full Gigabit Layer 2 Managed Din-Rail Industrial Ethernet Switch

Product description

MISCOM7210G layer 2 full Gigabit industrial Ethernet switch is a layer 2 high-performance Ethernet communication product for industrial communication. MISCOM7210G supports 2 Gigabit Fx ports + 8 Gigabit Tx ports, and it is a standard 35mm din-rail installation switch. It can supply various high-grade management function, including MSTP, IGMP, IGMP Snooping, VLAN, GVRP, QoS, Trunk, rate control, port mirroring configuration and so on.

The MISCOM7210G series can be managed through Web or SNMP, and provide MW-Ring, VLAN, Trunk, Quality of Service, IGMP Snooping, rate control, port mirroring, static MAC address forwarding table, diagnostic function, Email/Relay A series of common advanced management functions such as fault alarm and firmware online upgrade. Products are widely used in integrated energy, smart city, intelligent transportation, industrial automation and other industrial fields.

Features:

-Support 2 Gigabit Fx ports + 8 Gigabit Tx ports

-The fast ring network redundancy technology ,< 20ms enhances the reliability of system communication;

-Support VLAN based on IEEE802.1Q, the number is 4094

-MAC address table supports 8K

-Support perfect QoS policy and multiple queue scheduling algorithms

-Support to access the switch through WEB

-Support broadcast, multicast, unknown unicast storm suppression

-Reliability: MTBF≥300000 hours

-Wide working temperatures range -40 to 85°C

Product specification

Software performance

Redundancy protocol	Support MW-Ring Support RSTP/MSTP and compatible with STP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3 Support GMRP Support static multicast
Management and maintenance	Support CLI, WEB management method Support SNMPv1/v2c/V3 Support unified PC software management

Technical specifications

Ethernet Standard	802.3,802.3u,802.3z,802.3x,802.1P,802.1Q,802.1D/W and so on.

Switch properties

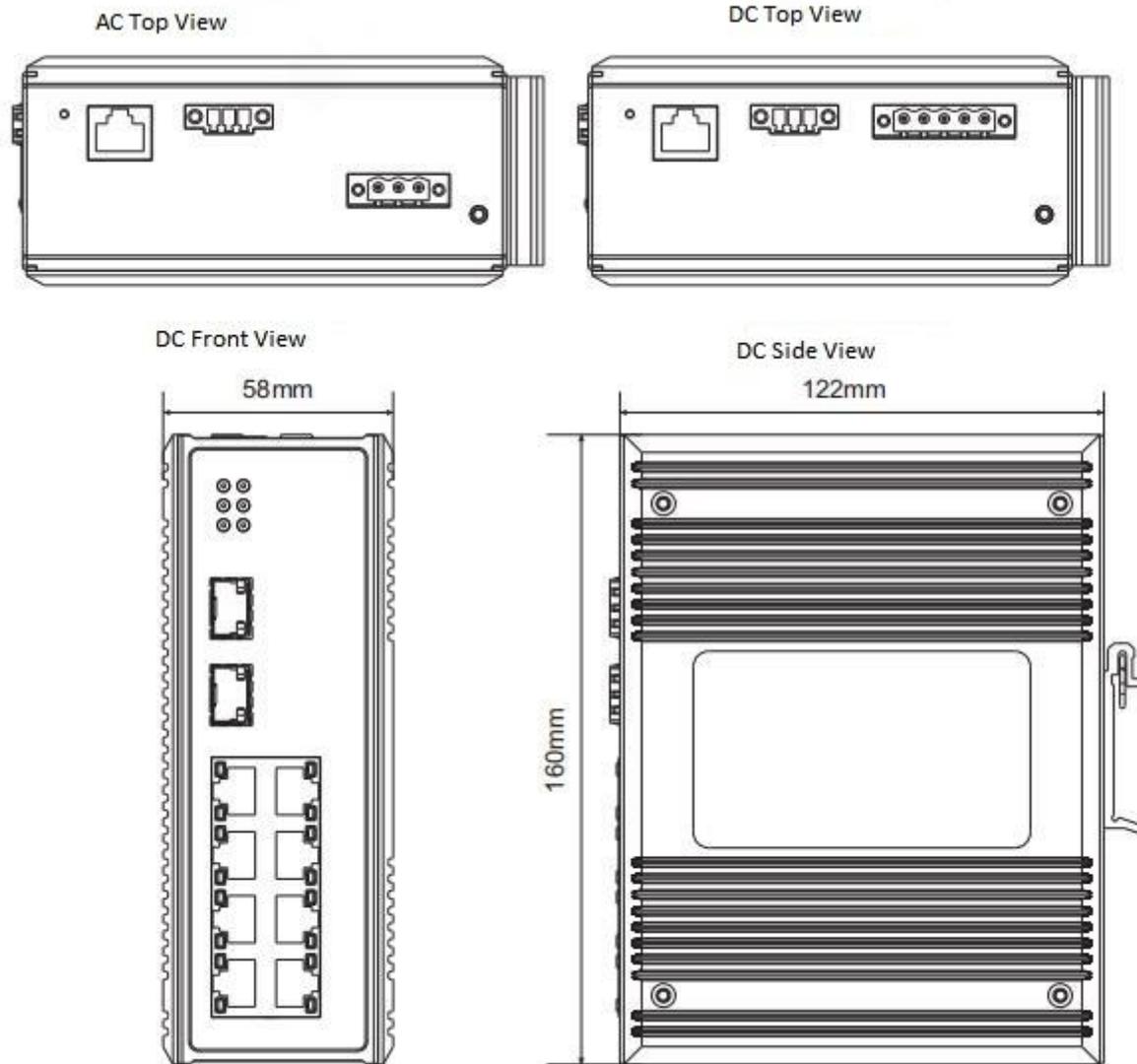|	
Switching method	Store and forward
Backplane bandwidth	20Gbps
Number of VLANs	4096
Packet forwarding rate	14.88 Mpps
Gigabit port	8x10/100/1000Base-T+2x1000Base-LX ports
Switch Latency	<5μs

Interface

Copper port parameters	Physical interface: RJ45 with shielding, IEEE802.3 standard
	RJ45 port: 10Base-T/100Base-TX/1000Base-TX, support auto-negotiation function
	Transmission distance: 100 meters (standard CAT5/CAT5e cable)
Fiber port parameters	Luminous power: >-12dBm (single mode) , >-17dBm (multimode)
	Receiver sensitivity: <-38dBm (single mode), <-35dBm (multimode)
	Wavelength: 1310nm (single-mode) ,1550nm (single-mode) ; 850 nm (multi-mode) , 1310 nm (multi-mode)
	Transmission distance: multimode fiber 850nm, 2km; 1310 nm:2/5km Single-mode fiber 1310nm: 20/40/60km; 1550nm:20/40/60/80/120km
	Connector Type: LC
	Transmission rate: 1.25Gbps (Gigabit)

LED indicator lights

Front panel LED lights	Port light: LINK/ACT; SPEED; ALARM; RUN

	Power LED: PWR1/PWR2
Power requirements	
Power input	DC9-60V AD220V(AC85-264V or DC110-370V)
Full-load consumption	<10W(MAX)
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support
Working environment	
Operating temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%(non-condensing)
Physical characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	Standard 35mm rail mounting
Dimension	160mm×58mm×122mm
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

AC Top View

DC Top View

DC Front View

58mm

DC Side View

122mm

160mm

Din rail mounting (unit: mm)

Ordering Information

MISCOM7210G-2GF-8GT-DC48	2-port Gigabit SFP +8-port Gigabit RJ45, redundant DC9-60V isolated power supply.
MISCOM7210G-2GF-8GT-AD220	2-port Gigabit SFP +8-port Gigabit RJ45, AC85-264V/ DC110~370V isolated power supply.