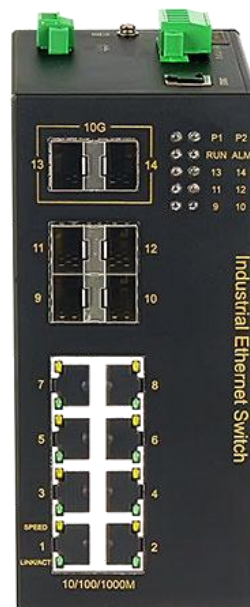


MISCOM7214G-2XGF-4GF-8GT

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

Product description

MISCOM7214G layer 2 10Gigabit industrial Ethernet switch is a layer 2 high-performance Ethernet communication product for industrial communication. MISCOM7214G supports 2-port 10Gigabit+ 4-port Gigabit SFP + 8-port 10/100/1000Tx, 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.



Features:

- Support 2-port 10Gigabit+ 4-port Gigabit SFP + 8-port 10/100/1000Tx
- Support visiting the switch by CLI
- Support EAPS, MSTP, VRRP various redundancy protocol
- Support the SNMP, PMON, Telnet network management protocol
- Support the hardware ACL filtration based on L2-L7 layers data
- 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
- Online software update based on FTP/TFTP
- Wide working temperatures range -40 to 85°C
- MTBF≥300000 hours

Product specification

Software performance

Switch Function	Support VLAN Support GVRP Support port aggregation Support flow control Support Rate limit Support broadcast storm suppression.
Redundancy protocol	Support VRRP/EAPS Support MW-Ring and the recovery time<50ms Support RSTP/MSTP and compatible with STP
Multicast routing	Support IGMP snooping/ IGMP v1/v2/v3 Support GMRP Support static multicast Support PIM-SM/PIM-DM/PIM-DMv6
Unicast Routing	Support RIPv1/v2/RIPng/OSPFv1/v2 Support Static Routing Support PIM-SM/PIM-DM
Service quality management	Support ACL and L2-L7 data Filter Support SP/ WRR queuing
IP management	Support DHCP server/relay/client
Management and maintenance	Support Console/Telnet/and Web management methods/RMON Support SNMPv1/v2c Support FTP/TFTP file transfer and software update Support power failure alarm/power alarm/ port link down alarm/ring alarm Support port mirroring/Syslog/ LLDP/ RTC/SNTPv4

Technical specifications

Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE802.3ab-1000BaseTX IEEE802.1ab logical link discovery protocol 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 GVRP、RIPv1/v2、OSPFv1/v2/v3、VRRP、DHCP、CLI、EAPS、Qos、LACP、LLDP、IGMP、PIM、SNMP、SNTP、SSH
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Switch properties

Priority queue	8
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Number of VLANs	4096
Number of multicast groups	512
MAC table	16k
Switch Bandwidth	64Gbps
Routing table	8k
Switch Latency	<5μs
Interface	
Gigabit port	Port numbers:14
	Connector: SFP port(LC interface, single or multi-mode)
	Baud rate:1000Base-LX(fiber port), auto-negotiation 10/100/1000M-Tx port
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block,1A@24VDC
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	Gigabit multi-mode: 850nm, 550m;
Single mode fiber	Gigabit single mode: 1310nm, 20km;
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT;SPEED;
	Running light: RUN
	Power LED: PWR1/PWR2
	Alarm indicator: ALARM
Power requirements	
Power input	Redundant DC12~48V power supply
Full-load consumption	<15W
Overload protection	Support
Reverse protection	Support
Redundancy protection	Support
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	Standard 35mm rail mounting
Dimension	156mm×120mm×72mm

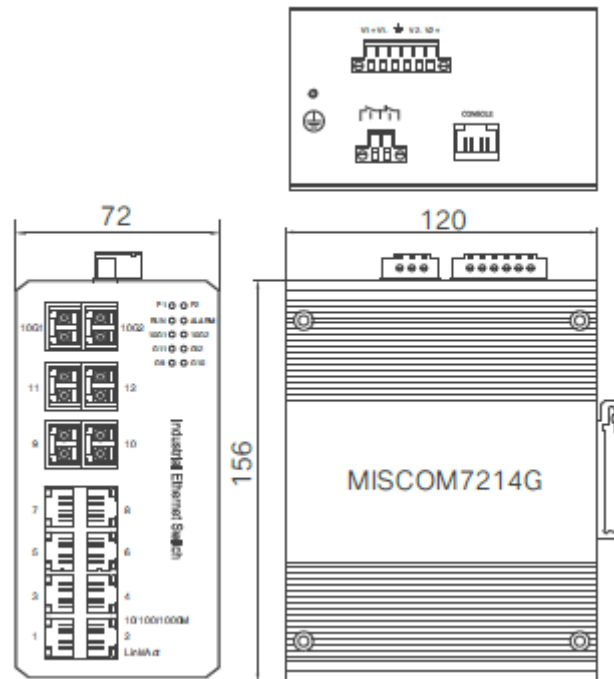
Industry standard

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



Din rail mounting (unit: mm)

Ordering Information

MISCOM7214G-2XGF-4GF-8GT

2-port 10 Gigabit SFP+4-port Gigabit SFP +8-port 10/100/1000Tx,
redundant DC12~48V power supply.