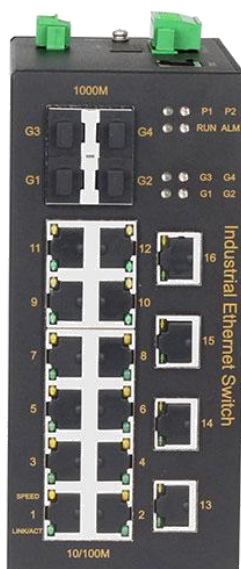


MISCOM7220-4GF

20-port Gigabit Layer 2 Managed Din-Rail Industrial Ethernet Switch

Product description

MISCOM7220 Gigabit managed industrial Ethernet switch provides a high-end industrial Ethernet communication solution for flexible and variable industrial applications, breaking through the 100M backbone network communication bottleneck and making industrial communication smoother, more reliable and faster, to meet the needs of customers to continuously innovate for value-added applications.



Features:

- 4 Gigabit SFP ports + 16x100MBased ports
- 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

Redundancy protocol	Support MW-Ring and the recovery time<50ms STP/RSTP/MSTP/EAPS/LACP
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	12.8Gbps
Switch Latency	<5μs

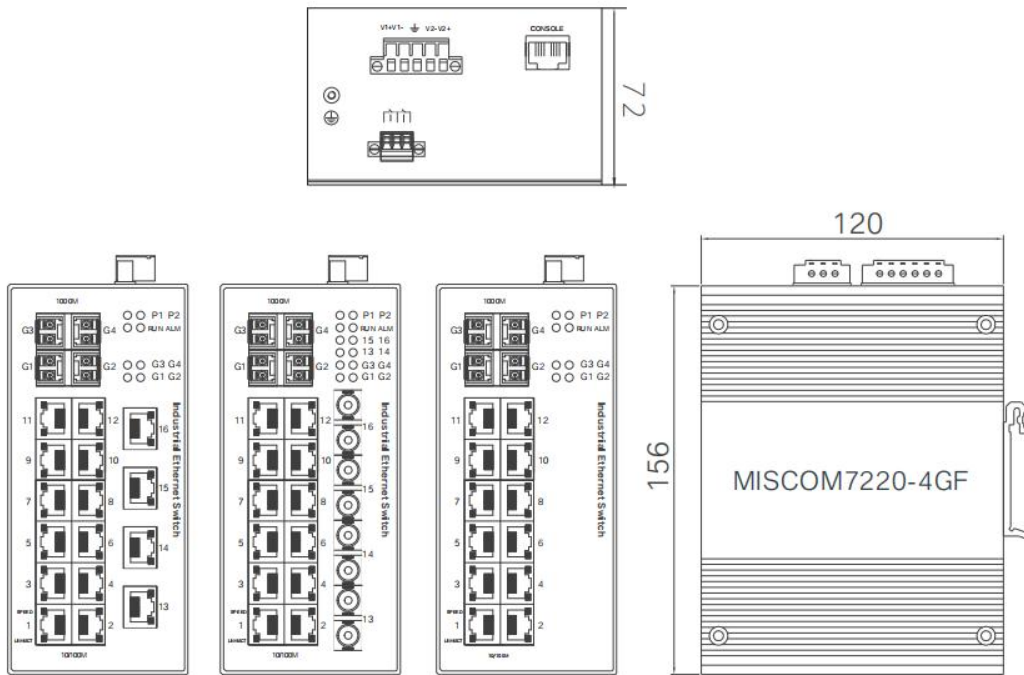
Interface

Gigabit port	Port numbers: 4
	Connector: SFP for fiber port(LC, single or multi-mode)or adaptive 10/100/1000M-Tx module
	Baud rate:1000Base-LX(fiber port), 10/100/1000M auto-negotiation for copper port
10/100Base port	Port numbers:16
	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
Communication distance	
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
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT; SPEED; Gx
	Running light: RUN
	Power LED: PWR1/PWR2
Power requirements	
Power input	DC12V/DC24V/DC48V/AD220V are available
Full-load consumption	<14W
Overload protection	support
Inversed 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	35mm din rail-mounted installation
Dimension	72mmx156mmx120mm
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

MISCOM7220-4GF-DC12	4-port Gigabit SFP +16-port 10/100 Tx, redundant DC12V(9~18V) isolated power supply
MISCOM7220-4GF-DC24	4-port Gigabit SFP +16-port 10/100 Tx, redundant DC24V(18~36V) isolated power supply
MISCOM7220-4GF-DC48	4-port Gigabit SFP +16-port 10/100Tx, redundant DC48V(36~72V) isolated power supply
MISCOM7220-4GF-AD220	4-port Gigabit SFP +16-port 10/100Tx, AC85-264V/DC110-370V power supply
MISCOM7220-4GF-4M-DC12	4-port Gigabit SFP +4-port 100 Fx ports +12-port 10/100 Tx, redundant DC12V (9~18V) isolated power supply,Multi-mode,SC,ST,FC connectors are available, 2KM.
MISCOM7220-4GF-4S-DC12	4-port Gigabit SFP +4-port 100 Fx ports +12-port 10/100 Tx, redundant DC12V (9~18V) isolated power supply,Single-mode,SC,ST,FC connectors are available, 20KM.
MISCOM7220-4GF-4M-DC24	4-port Gigabit SFP +4-port 100Fx +12-port 10/100 Tx, redundant DC24V (18~36V) isolated power supply,Multi-mode,SC,ST,FC connectors are available, 2KM.
MISCOM7220-4GF-4S-DC24	4-port Gigabit SFP +4-port 100Fx +12-port 10/100 Tx, redundant DC24V (18~36V) isolated power supply,Single-mode,SC,ST,FC connectors are available, 20KM.
MISCOM7220-4GF-4M-DC48	4-port Gigabit SFP +4-port 100 Fx +12-port 10/100Tx, redundant DC48V (36~72V) isolated power supply,Multi-mode,SC,ST,FC connectors are available, 2KM.
MISCOM7220-4GF-4S-DC48	4-port Gigabit SFP +4-port 100 Fx +12-port 10/100Tx, redundant DC48V (36~72V) isolated power supply,Single-mode,SC,ST,FC connectors are available, 20KM.
MISCOM7220-4GF-4M-AD220	4-port Gigabit SFP +4-port 100Fx +12-port 10/100Tx, AC85- 264V/ DC110~370V isolated power supply,Multi-mode,SC,ST,FC connectors are available, 2KM.
MISCOM7220-4GF-4S-AD220	4-port Gigabit SFP +4-port 100Fx +12-port 10/100Tx, AC85- 264V/ DC110~370V isolated power supply,Single-mode,SC,ST,FC connectors are available, 20KM.