

MISCOM7210GBP-2GTS

10-Port Full Gigabit BY-PASS Managed Industrial Ethernet Switch

Product description

MISCOM7210GBP Gigabit optical road bypass managed din-rail Industrial Ethernet Switch is designed and developed for industrial high-speed communication network applications. It provides a high-end industrial Ethernet communication solution for flexible industrial applications. It support 2 gigabit fiber ports + 8 gigabit copper ports, adopt store-and-forward mechanism, and have powerful bandwidth processing capabilities.

MISCOM7210GBP series can manage SNMP network management through Web, and provide Mwring, virtual LAN, Trunk,Quality of Service, IGMP Snooping, rate control, port mirroring, static MAC address forwarding table ,Email/Relay fault alarm and firmware online upgrade and so on functions.

The MISCOM7210GBP series supports the automatic connection of the optical port to form a communication path when the switch is powered off, avoiding the paralysis of the entire network communication due to the power failure of multiple communication nodes in the network, and greatly improving the reliability of the network. Products are widely used in comprehensive energy, smart city, rail transit, intelligent transportation, industrial automation and other industrial fields.



Features:

- 1000Base-X full-duplex single-fiber bidirectional interface, supports power-down bypass function
- 10/100/1000Base-TX adaptive Ethernet interface (full duplex, half duplex), support automatic MDI/MDI-X connection
- Embedded web server, remote management and configuration via browser
- Link redundancy self-recovery technology based on MW-Ring technology, the self-healing time is less than 20ms
- Trunk port aggregation
- Implement broadcast storm detection control (including broadcast, multicast, unknown unicast and other storm type detection
- Online firmware upgrade
- Dynamic IGMP Snooping support, filter multicast traffic
- Bandwidth management to prevent unpredictable network problems
- Based on IEEE 802.1Q VLAN
- Support QoS, IEEE802.1p and ToS/DiffServe to improve communication quality
- Support port mirroring for online debugging
- Real-time network time synchronization
- Restrict accessible IP, manage switches in the network

Product specifications

Software performance

Redundancy protocol	Support MW-Ring and the recovery time<20ms. Support MSTP/RSTP Support IGMP snooping/ IGMP v1/v2
Multicast routing	Support GMRP Support static multicast Support VLAN, GVRP
Switching functions	Support port speed limit, support storm suppression Support port trunking Support port flow control
Management and maintenance	Support Console and Web management methods Support SNMPv1/v2c Support unified PC software management

Technical specifications

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Ethernet Standard 802.3,802.3u,802.3z,802.3x,802.1p,802.1Q,802.1d/w and so on.

Switch properties

VLAN number 4096
MAC table 8k
Switch Bandwidth 20Gbps

Interface

Gigabit ports 2x1000Base-X
Luminous power: >-12dBm (single-mode) >-17dBm (multi-mode)
Light receiving sensitivity: <-38dBm (single-mode) <-35dBm (multi-mode)
Wavelength: 1310nm (single mode), 1550nm (single mode)
850 nm (multimode), 1310 nm (multimode)
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: SC
Transmission rate: 1.25Gbps (gigabit)
Physical interface: RJ45 with shield, IEEE802.3 standard
Transmission distance: 100 meters (standard CAT5/CAT5e cable)

Copper port 8x10/100/1000Base-T RJ45 ports
RJ45 port: 10Base-T/100Base-TX/1000Base-TX, support auto-negotiation function

Terminal block for power input 5.08mm terminal block
Terminal block for relay alarm 3.81mm terminal block,1A@24VDC

Power Requirements

Power input Input voltage: DC12~48V, support dual power supply redundancy, non-polarity input
Full-load consumption <12W@24V(MAX)
Overcurrent protection: built-in

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 35mm din rail-mounted installation
Dimension 160mmx58mmx122mm

Industry standard

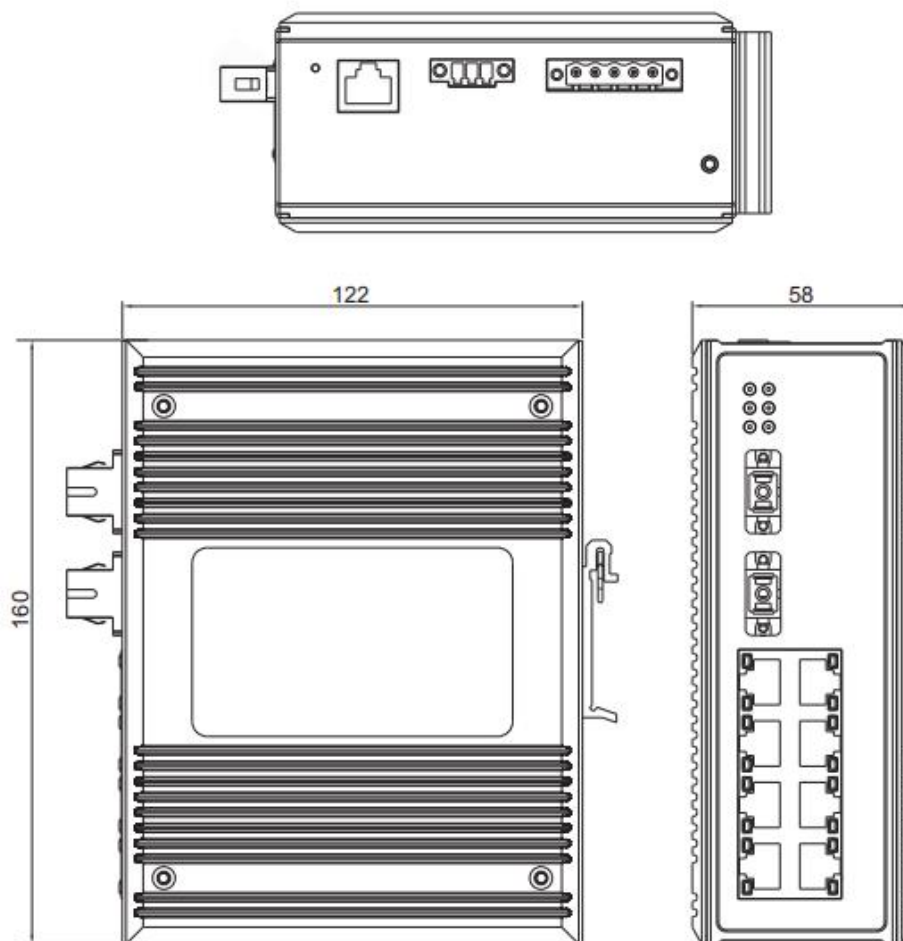
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 3.※The network port supports 6kV lightning protection
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6

Warranty

Warranty	5 Years
Certification	CE/FCC/RoHS

Dimensional drawing

Din-rail mounting (unit: mm)



Ordering information

Model	Gigabit By-pass port	Gigabit copper port	Power input
MISCOM7210GBP-2GF-8GT	2	8	Dual DC12~48V