

MISCOM7028-4GC

28-port Layer 2 Gigabit Managed Rack Mount Industrial Ethernet Switch

Product description

MISCOM7028-4GC series layer 2 Gigabit industrial Ethernet switch is a high-performance Ethernet communication product developed by Maiwe for industrial communication. MISCOM7028 series layer2 switches follow the main communication standards in the industrial field and meet technical issues such as real-time communication and network security. It provides a variety of ways to manage the switch, including accessing the switch's command line interface (CLI) through HyperTerminal, managing the switch through the telnet management system or using the SNMP software. MISCOM7028-4GC series supports multiple network monitoring protocols like LLDP, SNTpv4 and DHCP, At the same time, it provides some advanced management functions such as MSTP, IGMP, IGMP Snooping, VLAN, GVRP, QoS, port aggregation, port speed limit, broadcast storm suppression, ACL, port mirroring and so on.



Features:

- Support 4 Gigabit Combo ports + 24x10/100M RJ45 ports
- Support IP subnet based, protocol based, MAC based and IEEE802.1Q based VLAN
- Supports 8 aggregation groups, 4 mirroring groups, and 14 isolation groups
- Supports MW-Ring, ERPS and Spanning Tree protocols
- Support ACL, including 128 MAC-ACL, 128 IP-ACL, 128 MAC/IP-ACL
- Support loopback detection, storm detection function
- Support DDM, Gigabit optical port support 100M SFP
- Industrial grade wide temperature design, fanless thermal design
- Meet the requirements of harsh industrial environment

Product specification

Software function

Switch Properties	Support VLAN, GVRP Support port speed limit Support port flow control Support broadcast storm suppression
Redundancy Protocols	Support MW-Ring ring network technology Support STP/RSTP
Multicast	Support IGMP v1/v2, IGMP Snooping Support GMRP and Support static multicast filtering
Security	Support IEEE 802.1x, HTTP, RADIUS, user grading and MAC address binding
Service quality management	Supports SP and WRR queuing. Support QoS setting
Management and maintenance	Support Console, WEB management Support SNMPv1/v2c Support software management

Technical parameters

Protocol Standard	802.3, 802.3u, 802.3z, 802.3x, 802.1P, 802.1Q, 802.1D/W
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Switch capability

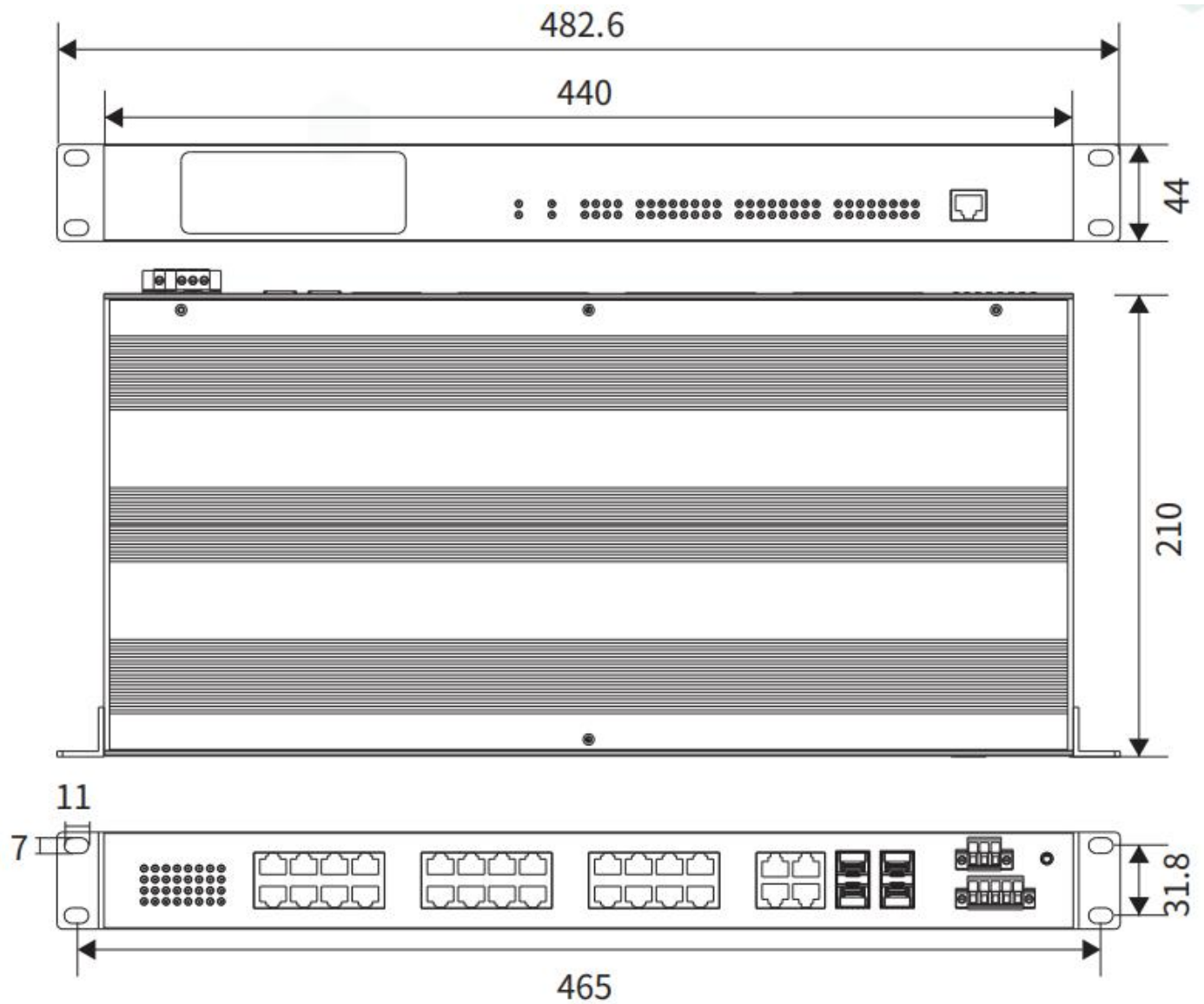
Switching method	Store and forward
Priority Queues	8
VLAN Number	4096
MAC Table Size	8K
Backplane bandwidth	12.8Gbps

Interface

Gigabit ports parameters	Port numbers: 4x10/100/1000Base-TX or 100/1000Base-SFP ports
	Luminous power: >-12dBm (single mode) >-17dBm (multimode) Receiver sensitivity: <-38dBm (single mode) <-35dBm (multimode) Wavelength: Single mode:1310nm/ 1550nm Multi-mode 850 nm/1310 nm Connector: LC Transmission rate: 1.25Gbps (Gigabit)
	Baud rate: 1000Base-LX (optical port), Self-adaption 10/100/1000MBase-TX
RJ45 ports parameters	24x10/100Base-TX ports
	Physical interface: RJ45 with shield or DB9, IEEE802.3 standard

	RJ45 port: 10/100/1000Base-TX (Gigabit) supports auto-negotiation function Transmission distance: 100 meters (standard CAT5/CAT5e cable)
Console port	RS232, RJ45
Terminal block for relay alarm	3-pin 5.08mm terminal block, 1A@24VDC
Terminal block for power input	5-pin 5.08mm terminal block
Power	
Input power	AC/DC220V(85-264VAC/110-370VDC)
Power consumption	<15W@(MAX)
Overload protection	Support
Redundancy protection	Support
Working Environment	
Operating Temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%
Physical Characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	Standard 19-inch rack mounting, Support front and rear outlet installation
Dimension	482.6mm×44mm×210mm
Industry standard	
EMC	EN61000-4-2(ESD), Level 4 IEC61000-4-5(Surge), Level4 ※The network port supports 6kV lightning protection IEC61000-4-4(EFT),Level4
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty	5 Years
Certification	
Certification	CE, FCC, RoHS

Dimensional drawing



Rack mounting (Unit: mm)

Ordering information

Models	Gigabit Combo port	100M RJ45 ports	Power
MISCOM7028-4GC-AD220	4	24	Single AC/DC220V
MISCOM7028-4GC-2AD220	4	24	Dual AC/DC220V