MISCOM7028G-4GC-24GT

28-port Full Gigabit Layer 2 Managed Rack-mounted Industrial Ethernet Switch

- Support 4 Gigabit Combo photoelectric multiplexing interfaces and 24 1000Base-X interfaces, providing users with flexible networking methods;

- Gigabit SFP interface, which can support hot-swappable LC fiber interface module and RJ45 electrical interface module;

- 24 10/100/1000Base-T adaptive Ethernet interfaces (full duplex, half duplex), support automatic MDI/MDI-X connection;

- The fast optical fiber ring network redundancy (MW-Ring) less than 20ms enhances the reliability of system communication;

- High-strength closed aluminum shell, IP40 protection level, no fan heat, durable, stable and reliable;

- -40°C~75°C working temperature, meeting the application requirements of harsh industrial environments;

- Industrial-grade power supply design is adopted, and a variety of power supply schemes are optional to meet the flexible application of users.

CE   FC   RoHS   CCC   MW-RING   IP40

Product Description

MISCOM7028G series is full gigabit layer 2 industrial Ethernet switch, specially designed and developed for the convergence layer application of industrial communication network. This switch provides a high-end industrial Ethernet communication solution for complex industrial application requirements, making industrial communication smoother, more reliable, and faster, and meeting customers' continuous innovation needs for value-added applications.

MISCOM7028G series Layer 2 switches follow the main communication standards in the industrial field and meet technical issues such as real-time communication and network security. At the same time, it provides a variety of ways to manage the switch, including accessing the command line interface (CLI) of the switch through the hyper terminal, or managing the switch through the telnet management system, or using the SNMP management software system to manage the switch. In addition, it supports multiple network monitoring protocols: LLDP, SNTPv4, DHCP. At the same time, it provides some common advanced management functions such as MSTP, IGMP, IGMP Snooping, VLAN, GVRP, QoS, port aggregation, port rate limit, broadcast storm suppression, ACL, port mirroring, etc. In terms of device management, it supports FTP/TFTP upgrade, supports log recording and uploading, and supports power failure alarm output. In terms of structural installation, you can flexibly choose rack-mounted installation or desktop installation.

Product Features

- Support 4 Gigabit optical multiplexing interfaces and 24 Gigabit Ethernet interfaces, providing users with flexible networking methods;

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

- Support IP subnet-based, protocol-based, MAC-based and IEEE802.1Q-based VLAN; support 8 aggregation groups, 4 mirroring groups, 14 isolation groups

- 4K VLAN entries, 8K MAC address entries

- Support MW-Ring, ERPS and spanning tree

- Support ACL, including 128 MAC-ACL, 128 IP-ACL, 128 MAC/IP-ACL

- Support loopback detection, storm detection function

- Support DDM, Gigabit optical port supports 100M SFP

Technical Parameters

Specifications	
IEEE standard	802.3, 802.3u, 802.3z, 802.3x, 802.1P, 802.3ab, etc.
Exchange function	Support VLAN, GVRP
	Support port speed limit, support storm suppression
	Support port trunking
	Support port flow control
Redundant technology	Support VRRP, ERPS
	Support MW-Ring ring network technology
	Support MSTP/RSTP, compatible with STP
Multicast technology	Support IGMPv1/v2/v3, IGMP Snooping
	Support GMRP
	Support static multicast
Management and Maintenance	Support CLI, WEB management mode, LLDP, SNTPv4
	Support SNMPv1/v2c, ACL
	Support unified upper computer software management
Exchange method	store and forward
Backplane Bandwidth	56Gbps
Cache size	4.1Mbit
MAC address table	8K
Gigabit port	24 10/100/1000Base-T+ 4 1000Base-LX interfaces or 28 10/100/1000Base-T interfaces
CONSOLE	115200 baud rate, data format is 8-N-1
Copper port	Physical interface: RJ45 with shield, IEEE802.3 standard
	RJ45 port: 10/100/1000Base-TX (gigabit) supports auto-negotiation function
	Transmission distance: 100 meters (standard CAT5/CAT5e cable)
Fiber port	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: LC
	Transmission rate: 1.25Gbps (gigabit)
Power	Input voltage: 220AC/DC (85-264VAC/110-370VDC)
	Input power consumption: 24W (full load)
	Overcurrent protection: built-in
Mechanical	Physical size (width x height x depth): 482.6mm x 44mm x 210mm

	Installation method: standard 19' 1U rack mount
	Heat dissipation form: aluminum alloy single-rib chassis surface heat dissipation, no fan
	Outlet form: front and rear outlets
	Case protection: IP40
Working environment	Working temperature: -40℃~+75℃
	Storage temperature: -40℃~+85℃
	Humidity: 5%~95% (no condensation)
EMC standard	IEC61000-4-2(ESD),Level4
	IEC61000-4-5(Surge), Level4 ※The network port supports 6kV lightning protection
	IEC61000-4-4(EFT),Level4