CISCOM7028-4GF-24F

28-Port Layer 2 Gigabit Rack Mount Managed Industrial Switch

- 4 x Gigabit SFP ports, 24 x 100Base-FX ports
- Support MW-Ring, ERPS, STP/RSTP and other redundant protocols
- Fast ring redundancy (MW-Ring) of less than 20ms enhances the reliability of system communication
- Support AC85V~264V/DC110V~370V power input
- High-strength closed aluminum shell, IP40 protection level, no fan for efficient heat dissipation so that the system can work reliably in -40℃~+70℃ harsh and dangerous industrial environment

Product Description

CISCOM7028-4GF-24F layer 2 managed Gigabit rack-mounted industrial Ethernet switch supports 4xGigabit SFP port and 24x100Base-FX ports. It adopts a store-and-forward mechanism, has powerful bandwidth processing capabilities, automatically troubleshoots data packet errors, reduces transmission failures, and easily support Gigabit networking to ensure stable, reliable and efficient data transmission. The product selects industrial-grade components, combined with high-standard system design and production control, standard 19-inch 1U rack-mounted installation, high-strength aluminum alloy shell, sturdy and durable, fanless and efficient heat dissipation, -40℃~+70℃ wide temperature operation, high-standard industrial protection design, able to adapt to various harsh working environments, with stable communication performance.

It follows the main communication standards in the industrial field and meet technical issues such as real-time communication and network security. The product provides multiple ways to manage the switch, such as accessing the switch through the CONSOLE port, accessing the switch WEB interface through HTTP/HTTPS, and accessing the device MIB through the SNMP protocol. It also provides a variety of network protocols and industry standards, such as MW-Ring, ERPS, STP/RSTP, VLAN, QoS, IGMP Snooping, GMRP, LLDP, 802.1X, ACL, SNTP, port aggregation, port mirroring, Ping, etc. It supports system management such as configuration file upload and download, image file online upgrade, etc. In terms of structural installation, embedded installation is supported. Products are widely used in integrated energy, smart cities, rail transit, intelligent transportation, smart factories, industrial automation and other fields.

Product Features

- Support rate limiting of broadcast packets, multicast packets and unknown unicast packets to suppress network storms

- Support QoS quality of service, allowing voice, video and important data to be transmitted preferentially in network equipment to solve network congestion

- Support 802.1Q VLAN and provides Access, Trunk, and Hybrid interfaces to easily divide multiple broadcast domains and enhance network security

- Support multicast protocols such as IGMP Snooping and GMRP to reduce the broadcast of multicast data in the network and save network resources

- Support ACL access control list to filter TCP/UDP and other messages based on source/destination IP and MAC address

- Support LLDP link layer discovery protocol, obtains LLDP neighbor device information, and monitors link status to facilitate topology management and fault location

- Support ERPS Ethernet multi-ring protection technology, provides multi-ring networking, performs link backup, achieves rapid convergence, and improves network stability

- Support CS-Ring private ring network protocol, fast ring network redundancy of less than 20ms, enhancing the reliability of system communication

- Support static link aggregation, which can increase transmission bandwidth and improve link reliability

- Support RSTP spanning tree protocol and is compatible with STP protocol, which can eliminate network loops and improve network reliability

- Support observers and administrators, and hierarchical management of user rights

- Support WEB login control, HTTP, HTTPS protocol access control, login IP address restriction

- Support 802.1X port authentication, authenticates access users, and provides local and RADIUS login authentication

- Support MAC address table and aging time limit, static MAC address and interface binding to ensure legal user use

- Support SNMPv1/v2c and SNMP TRAP, and can be managed centrally through the MIB network management system

- Support relay alarm mode, including alarm information such as network storm, power failure, port disconnection, etc.

- Support port statistics, counts different types of data frames sent and received, and monitors port traffic.

- Support port mirroring, which can collect port inlet, outlet and bidirectional data for network detection and fault management

- Support connection information, operation information logging, and log emails

Technical Specifications

Software	
Switching	Support port configuration, such as port speed, duplex mode, port enablement, flow control, etc. Support port-based or 802.1Q VLAN Support ingress and egress rate limiting, storm suppression, and static port aggregation Support sent frame statistics, received frame statistics, total traffic statistics, and MAC address table
Redundancy	Support MW-Ring/MW-Ring V2 private ring network protocol Support ERPS Support RSTP, compatible with STP
Multicast	Support GMRP Support IGMP Snooping Support static multicast MAC forwarding table
Security Management	Support WEB login control Support ACL, filter L2-L4 layer data Support 802.1X port authentication, RADIUS authentication database Support static MAC port locking Support email log
Management and Maintenance	Support QoS quality of service, 802.1P/DSCP/port priority mapping, absolute and relative priority control Support SNMP v1/v2c, SNMP Trap, LLDP Support port mirroring, Ping Support user rights management, log management, local time management and SNTP Support online restart, factory settings restoration, system upgrade, configuration file upload/download
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	12.8Gbps

Buffer Size	3Mbit
MAC Table Size	8K

Interface

1G Fiber Port	4 x 000Base-X Gigabit SFP ports, support 1000Base-X Gigabit SFP fiber module and 1000Base-T Gigabit SFP copper transceiver (it is recommended to use our company's designated fiber to copper transceiver)
100M Fiber Port	24 x 100Base-FX ports support single-mode/multi-mode, SC/FC/ST, wavelength, and varied transmission distances.
Relay	1 relay alarm output, using 3-position 5.08mm pitch lock terminals
CONSOLE	1*CONSOLE port, RS232 signal RJ45 port, used for equipment debugging
Status LED	Power indicator light, running indicator light, alarm indicator light, interface speed and connection/activity status indicator light

Power Supply

Input Voltage	Single AC85V~264V/DC110V~370V (dual power supply optional)
Power Consumption	＜40W
Connection	5-position 5.08mm pitch lock terminal block

Physical Characteristics

Dimensions	482.6 × 44 × 315 mm (including mounting brackets)
Installations	Standard 19-inch 1U rack mountable
IP Code	IP40
Weight	About 4.5kg

Working Environment

Operating Temp	-40℃~+70℃
Storage Temp	-40℃~+85℃

Relative Humidity	5%~95%(non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4
	IEC 61000-4-5 (Surge): Level 4
	IEC 61000-4-4 (EFT): Level 4
	IEC 61000-4-3 (RS): Level 4
	IEC 61000-4-6 (CS): Level 4
Certification	CE, FCC, RoHS

Dimensions

Unit: mm
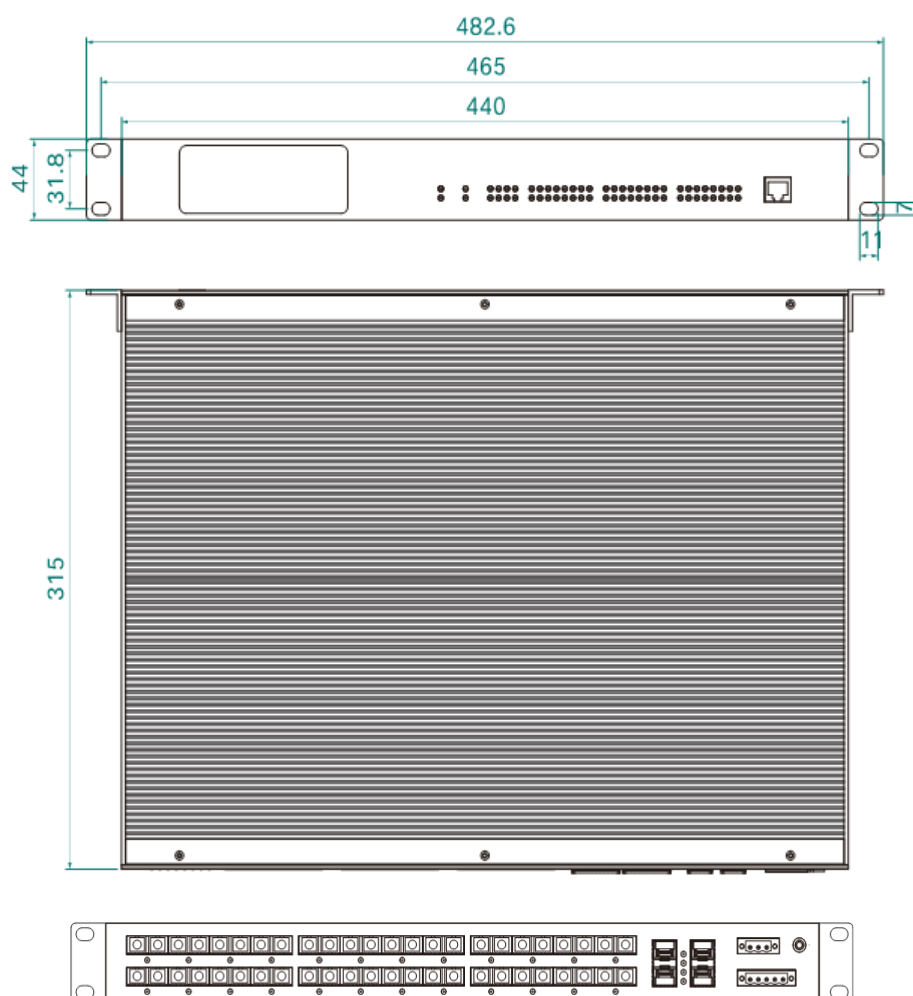
Ordering Information

Standard Model	1G Fiber Port	100M Fiber Port	Input Voltage
CISCOM7028-4GF-24F	4	24	Single AC85V~264V/DC110V~370V (dual power supply optional)

📞 Contact Us

COME-STAR COMMUNICATION(WUHAN) CO., LTD.

Address: Puneng Industrial Park, Fenghuang Garden 1st Road, East Lake High-Tech Development Zone, Wuhan, China.

Tel: +86-027-59257958

Mail: info@come-star.com

Official site: www.come-star.com