

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)< 20ms to enhance the reliability of system communication
- Support single or dual AC85V~264V/DC110V~370V power inputs
- High-strength aluminum alloy shell, IP40 protection grade, fanless design
- Work in harsh industrial environments of -40°C ~+70°C

Product Description

The CISCOM7028-4GF-24F is a Layer 2 managed industrial Ethernet switch equipped with 4*gigabit SFP ports and 24*100Mbps fiber ports. It adopts a store-and-forward switching mechanism with strong bandwidth handling capabilities, enabling stable and efficient data transmission while minimizing packet loss through automatic error detection. Designed with industrial-grade components and strict production standards, it features a 19-inch 1U rack-mount form factor, durable aluminum alloy housing, fanless thermal design, and an operating temperature range of -40°C to +70°C. Its robust construction ensures long-term reliability in harsh and demanding environments.

This switch supports WEB-based management and a broad set of Layer 2 network protocols including MW-Ring, ERPS, STP/RSTP, VLAN, QoS, static aggregation, IGMP Snooping, GMRP, 802.1X authentication, ACL, SNMP, LLDP, SNTP, and more. Features such as port mirroring, alarm notifications, network diagnostics, and remote upgrades enhance operational visibility and control, helping to ensure high-performance, secure, and resilient network infrastructure. Rigorously tested for functionality, thermal stability, safety, and EMC compliance, the CISCOM7028-4GF-24F is ideal for deployment in energy systems, smart cities, transportation networks, rail systems, industrial automation, and smart manufacturing environments.

Product Features

- Support ingress or egress rate limiting for broadcast, multicast, unknown unicast, or all packets to prevent network storms.
- Support QoS to prioritize voice, video, and critical data transmission within network devices, alleviating network congestion.
- Support 802.1Q VLANs, providing access, trunk, and hybrid interfaces to divide multiple broadcast domains and enhance network security easily.
- Support multicast protocols such as IGMP Snooping and GMRP to reduce multicast data broadcasts and conserve network resources.
- Support ACLs to filter packets of specified protocols based on source/destination IP and MAC addresses.
- Support LLDP to obtain LLDP neighbor information and monitor link status, facilitating topology management and fault location.
- Support ERPS technology, providing multi-ring networking, link backup, rapid convergence, and improved network stability.
- Support static link aggregation to increase transmission bandwidth, improve link reliability, and implement network load balancing.
- Support the RSTP spanning tree protocol and is compatible with the STP protocol, eliminating network loops and improving network reliability.
- Support web control, HTTP and HTTPS protocol access control, and login IP address restrictions.
- Support 802.1X port authentication for user identity verification and access control.
- Support MAC address tables and aging time limits, and static unicast/multicast MAC address binding to interfaces to ensure authorized users.
- Support SNMPv1/v2c, enabling centralized management through MIB network management systems for information query, modification, and troubleshooting.

Technical Specifications

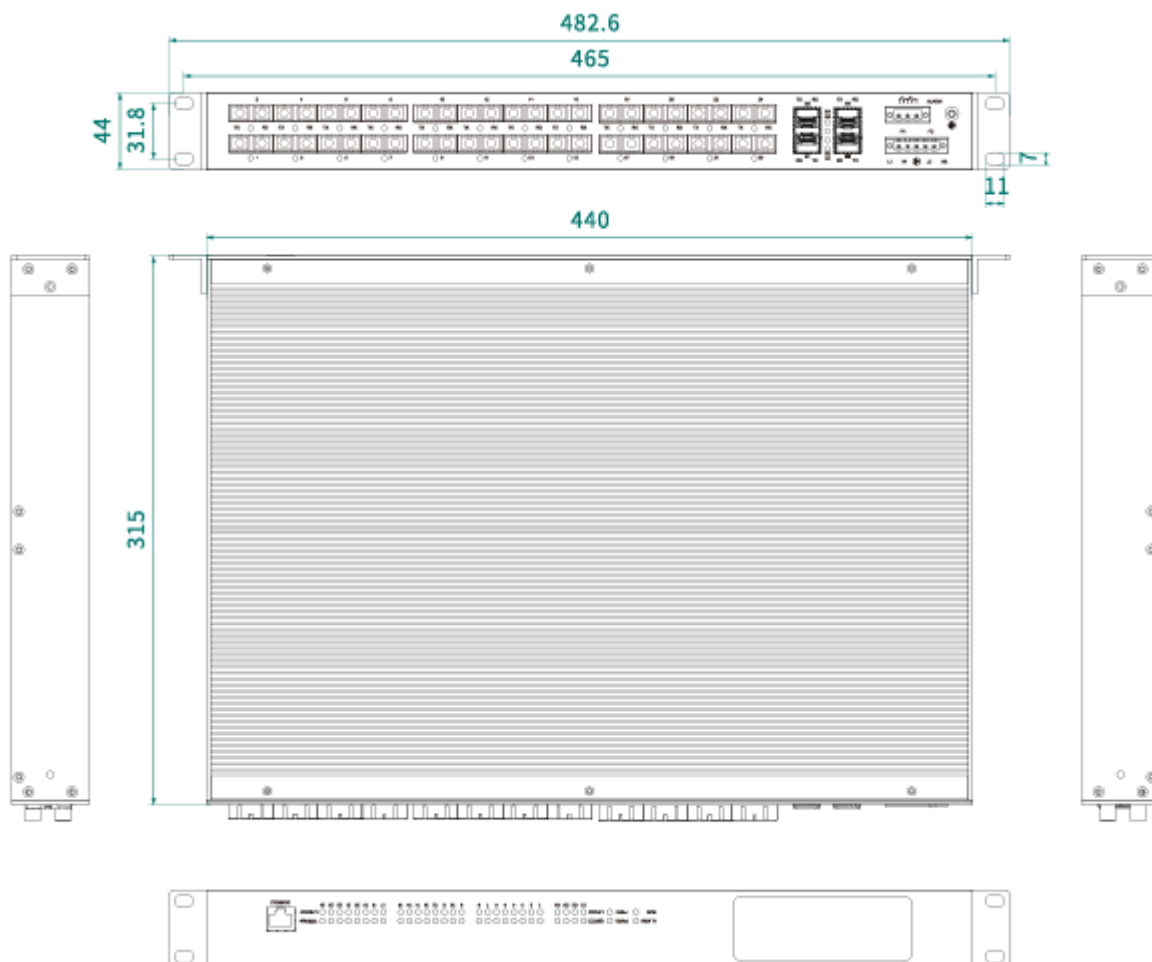
Software	
Switching	Support port configuration, port rate limiting, static port aggregation, and port statistics. Support port VLANs and 802.1Q VLANs. Support MAC address aging and static unicast MAC address binding.
Redundancy	Support MW-Ring proprietary ring network technology Support ERPS Support RSTP/STP
Multicast	Support GMRP Support IGMP Snooping Support static multicast MAC forwarding table
Security Management	Support web access control Support ACL for L2-L4 data filtering Support 802.1X port authentication and RADIUS database Support alarms and email logging
Management and Maintenance	Support QoS, SNMP v1/v2c, and LLDP Supports port mirroring and Ping Support user management with different permissions, system logs, and local or network time synchronization Support online reboot, factory reset, system upgrades, and configuration file upload/download Support unified host software management
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	12.8Gbps
Buffer Size	3Mbit
MAC Table Size	8K
Interface	

1G Fiber Port	4 x 1000Base-X Gigabit SFP ports, support 1000Base-X Gigabit SFP fiber module and 1000Base-T Gigabit SFP copper transceiver (Come-Star fiber transceivers are highly recommended)
100M Fiber Port	24 x 100Base-FX 100M fiber ports with SC/ST/FC interfaces. Transmission distances support 1310nm multimode dual-fiber (2km) or 1310nm single-mode duplex fiber (20/40/60/80/100km).
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	AC85V~264V/DC110V~370V; support single/dual power inputs optional, dual power supply supports power redundancy
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; Aluminum alloy shell
Weight	About 4.5kg
Working Environment	
Operating Temperature	-40°C~+70°C
Storage Temperature	-40°C~+85°C
Relative Humidity	5%~95%(non-condensing)
Industry Standard	

EMC	IEC 61000-4-2 (ESD): Level 4 IEC 61000-4-5 (Surge): Level 4 ※ Network port supports 6kV lightning protection 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(M/S)- AD220	4	24	AC85V~264V/DC110V~370V power input (dual inputs optional)



Contact Us

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