

CISCOM7220G-4GF-16GT

20-Port Layer 2 Gigabit Managed DIN Rail Industrial Ethernet Switch



- 4 x 1G SFP ports, 16 x 10/100/1000Base-T(X) RJ45 ports
- MW-Ring (recovery time < 20 ms @ 200 switches), ERPS, STP/RSTP, MRP for network redundancy
- Support single AC85V~264V/DC110V~370V power input or DC9V~60V dual power inputs; Dual inputs support power redundancy
- High-strength aluminum alloy shell with IP40-rated housing protection, fanless heat dissipation
- Work in harsh environments ranging from -40°C to +75°C

Product Description

CISCOM7220G-4GF-16GT is 20-port Layer 2 Gigabit managed rail-mount industrial Ethernet switch. It provides 4 x Gigabit SFP ports and 16 x 10/100/1000Base-T(X) ports and utilizes a store-and-forward mechanism, boasting powerful bandwidth handling capabilities, automatic packet error detection, and reduced transmission failures. It easily supports Gigabit networks and ensures stable, reliable, and efficient data transmission. This product utilizes carefully selected industrial-grade components, coupled with high-standard system design and production control. It features a 35mm standard DIN rail mount design, a durable high-strength aluminum alloy shell, and an operating temperature range of -40°C to +75°C. Its high-standard industrial protection design allows it to withstand a variety of harsh working environments and maintain stable communication performance.

CISCOM7220G-4GF-16GT supports web-based network management functions and multiple network protocols, including MW-Ring, ERPS, STP/RSTP, MRP, VLAN, SVL, LACP, LLDP, SNMPv1/v2c/v3, RMON, QoS, 802.1X authentication, TACACS+ client, IGMP Snooping, GMRP, ACL, WEB/TELNET/SSH access control, static aggregation, port mirroring, static MAC address binding, network diagnostics, loopback detection, line diagnostics, DDM, email logging, alarms, SNTP client, system logging, and online system

upgrades. These features enhance network performance, reliability, and security, meeting the needs of diverse and complex networks. These products undergo rigorous functional, temperature, safety, and EMC testing to meet diverse network scenarios and stringent requirements.

Product Features

- Support rate limiting for broadcast, unknown multicast, and unknown unicast packets, as well as broadcast and multicast packet storm detection to prevent network storms.
- Support static link aggregation and LACP dynamic link aggregation to increase transmission bandwidth and improve link reliability.
- Support port mirroring to collect data at both ingress and egress ports for network detection and fault management.
- Support 802.1Q VLANs, providing 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 multicast data broadcasts and conserve network resources.
- Support the LLDP to obtain LLDP neighbor information and monitor link status, facilitating topology management and fault location.
- Support ERPS providing multi-ring networking and link backup, achieving rapid convergence and improving network stability.
- Support the RSTP, compatible with STP, to eliminate network loops and improve network reliability.
- Support the MRP to improve network reliability and achieve reconfiguration time of ≤ 500 ms.
- Support web control, HTTP and HTTPS protocol access control, and login IP address restrictions
- Support SNMPv1/v2c/v3 centralized management and SNMPv1/v2c/v3 TRAP information, including standard TRAP and proprietary TRAP
- Support RMON providing statistics and alarms for various data frame types, enabling remote monitoring and management by network management systems
- Support QoS to prioritize the transmission of voice, video, and critical data within network devices, alleviating network congestion
- Support ACL allows you to customize multiple frame type filtering rules to filter or rate-limit specific packets
- Support 802.1X port authentication for user authentication, including local and RADIUS login authentication
- Support TACACS+ client for user authentication, authorization, and billing, preventing unauthorized logins

and enhancing system security

- Support loopback detection to prevent network loops and network storms
- Support system log information recording, downloading, and classification, with output to the web page, log host, and console for display

Technical Specifications

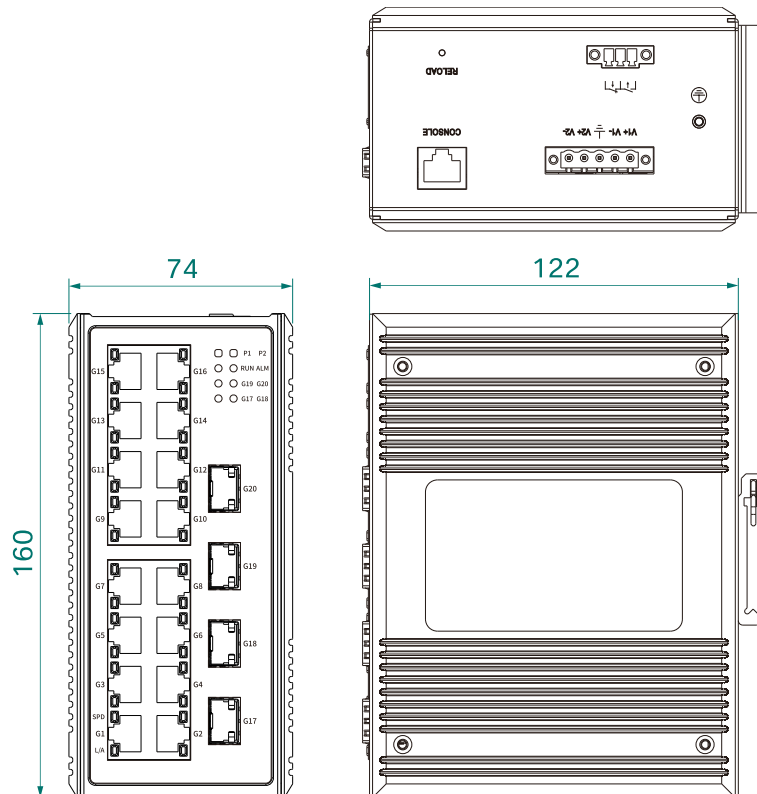
Software	
Switching	<p>Support port configuration, port rate limiting, storm suppression, storm detection, port aggregation, LACP, and port statistics.</p> <p>Support 802.1Q VLAN, port isolation, and SVL configuration.</p> <p>Support MAC address aging and learning limits, static MAC address binding, and source MAC address filtering.</p>
Redundancy	<p>Support MW-Ring proprietary ring network technology</p> <p>Support ERPS</p> <p>Support RSTP/STP</p> <p>Support MRP</p>
Multicast	<p>Support IGMP Snooping</p> <p>Support static multicast MAC address binding</p> <p>Support unknown multicast filtering</p> <p>Support GMRP</p>
Security Management	<p>Support web, telnet, and SSH access control</p> <p>Support ACL access control lists, 802.1X port authentication, and TACACS+ client</p> <p>Support loopback detection, network storm/ring status/port disconnection alarms, and email logging</p>
Management and Maintenance	<p>Support QoS, SNMP v1/v2c/v3, SNMPv1/v2c/v3 TRAP, RMON, and LLDP.</p> <p>Support port mirroring, Ping, optical module DDM, and line diagnostics.</p> <p>Support user rights management, system logs, SNTP client, and daylight saving time.</p> <p>Support online reboot, factory reset, system upgrade, and configuration file upload/download.</p> <p>Support MW-NMPv2, MixView, and MaxView management.</p>

Switch Capability	
Processing Type	Store and Forward
Backplane Bandwidth	56Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	
Gigabit Fiber Port	4 x 1000Base-X Gigabit SFP ports, compatible with 100Base-FX Recommended our SFP module to use together
Gigabit Copper Port	16 x 10/100/1000Base-T(X) auto-sensing copper ports, supporting full/half duplex, auto MDI/MDI-X
Relay	1 x relay alarm output with 3-pin 3.81mm spacing and locking terminal connectors.
CONSOLE	1 x CONSOLE port with an RJ45 connector, supporting RS232 signal for device debugging and command configuration
Button	Restore factory settings button
Status LED	Power indicator, operation indicator, alarm indicator, interface indicator, and Ethernet port speed indicator
Power Supply	
Input Voltage	DC Model: DC9V~60V, dual power supply inputs, anti-reverse connection AC Model: AC85V~264V(47Hz~63Hz) / DC110V~370V
Power Consumption	<16W@DC24V (full load)
Connection	5.08mm pitch 5-pin terminal block
Physical Characteristics	
Dimensions	160 × 74 × 122 mm (DIN rail mounting clip excluded)
Installations	Standard 35mm DIN rail installation
IP Code	IP40; Aluminum alloy shell

Weight	1.2kg
Working Environment	
Operating Temp	-40°C~+75°C
Storage Temp	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 3 IEC 61000-4-5 (Surge): Level 3 * Ethernet ports support 6kV surge protection IEC 61000-4-4 (EFT): Level 3
Certification	CE, FCC, RoHS

Dimensions

Unit: mm



Ordering Information

Standard Model	1G Fiber Port	1G Copper Port	Input Voltage
CISCOM7220G-4GF-16GT	4	16	Dual DC9V~60V power inputs
CISCOM7220G-4GF-16GT-AD220	4	16	Single AC85~264V/DC110~370V power input



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: sales@come-star.com

Official site: www.come-star.com

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