CES7110GX-2XGF-4GF-4GT

10-Port L2 10G Managed Embedded Industrial Ethernet Switch



- 2×10G SFP+ ports, 4×1G SFP ports, 4×1G copper ports
- MW-Ring (recovery time < 20 ms @ 200 switches), STP/RSTP for network redundancy
- Support DC9~36V power input with reverse polarity protection
- -40°C~+85°C operating temperature range

Product Description

The CES7110GX-2XGF-4GF-4GT series is a Layer 2 managed 10 Gigabit embedded industrial Ethernet switch. It supports 2×10G fiber ports, 4×1G fiber ports, and 4×1G copper ports. Utilizing a store-and-forward mechanism, it offers powerful bandwidth processing capabilities, automatically detects packet errors, reduces transmission failures, and effortlessly supports 10 Gigabit networking, ensuring stable, reliable, and efficient data transmission. The product features carefully selected industrial-grade components, combined with high-standard system design and production controls. It employs an embedded installation method and operates within a wide temperature range of -40°C to +85°C, making it capable of withstanding various harsh operating environments while maintaining stable communication performance.

The CES7110GX-2XGF-4GF-4GT series supports web-based management and various network protocols, such as MW-Ring, STP/RSTP, VLAN, LLDP, SNMPv1/v2c/v3, QoS, WEB/TELNET/SSH access control, static aggregation, port mirroring, network diagnostics, and online system upgrades. These features enhance network performance, reliability, and security, meeting the demands of complex network environments. The product has passed rigorous functional, high/low-temperature, safety, and EMC testing, ensuring it meets the requirements of complex networks and harsh industrial environments. It is widely applicable in fields such as integrated energy, smart cities, rail transit, intelligent transportation, smart factories, and industrial automation.

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 Quality of Service (QoS), prioritizing the transmission of voice, video, and critical data across network devices to resolve network congestion;
- Support 802.1Q VLANs, providing Access, Trunk, and Hybrid interfaces to facilitate the division of multiple broadcast domains and enhance network security;
- Support the Link Layer Discovery Protocol (LLDP) to obtain information about LLDP neighbor devices, monitor link status, and facilitate topology management and fault localization;
- Support port mirroring to capture data at port ingress and egress for network monitoring and fault management;
- Support static link aggregation to increase transmission bandwidth and improve link reliability;
- Support RSTP (Rapid Spanning Tree Protocol), which is compatible with STP (Spanning Tree Protocol), to eliminate network loops and improve network reliability;
- Support web-based management, HTTP protocol access control, and login IP address restrictions;
- Support SNMPv1/v2c/v3 centralized management and SNMPv1/v2c/v3 TRAP messages, including State Grid standard TRAPs and proprietary TRAPs;
- Support port statistics, counting different types of transmitted and received data frames to monitor port traffic;
- Support loop detection to prevent network storms caused by network loops;
- Support online device reboot, factory reset, and system upgrades.

Technical Specifications

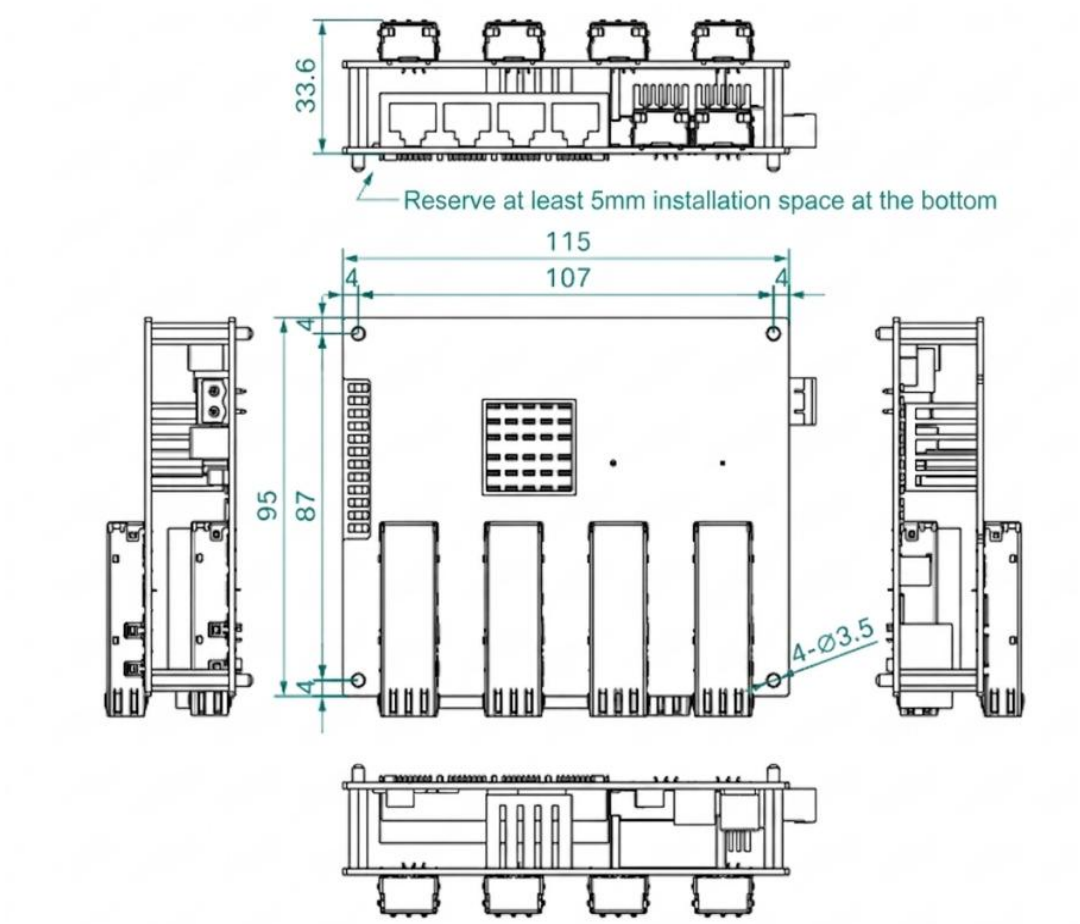
Software	
Switching	Support port configuration, port rate limiting, storm suppression, storm detection, port aggregation, and port statistics Support 802.1Q VLAN Support MAC address aging and static MAC address binding
Redundancy	Support MW-Ring proprietary ring network technology Support RSTP and is compatible with STP

Management and Maintenance	Support Web, TELNET, and SSH access control Support QoS, SNMP v1/v2c/v3, and LLDP Support loopback detection, port mirroring, Ping, and relay alerts Support user management with different permissions, online reboot, factory reset, system upgrade, and configuration file upload/download Support MW-NMPv2, MixView, and MaxView management
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	64Gbps
Buffer Size	8Mbit
MAC Table Size	16K
Interface	
10G Fiber Port	2×10GBase-R 10 Gigabit SFP+ ports
1G Fiber Port	4×1000Base-X Gigabit SFP ports
1G Copper Port	4×10/100/1000Base-T(X) auto-sensing copper ports, full/half duplex, auto MDI/MDI-X
Status LED	Power indicator, operation indicator, port indicators; support external signal output
Power Supply	
Input Voltage	DC9~36V
Power Consumption	<7.5W@DC12V (full load)
Connection	5.08mm pitch 2-pin terminal block
Physical Characteristics	
Dimensions	115×95×33.6 mm
Installations	Embedded
Weight	About 0.2kg

Working Environment	
Operating Temp	-40°C to +85°C
Storage Temp	-40°C to +85°C
Relative Humidity	5%~95% (non-condensing)

Dimensions

Unit: mm



Ordering Information

Standard Model	10G Fiber Port	1G Fiber Port	1G Copper Port	Input Voltage
CES7110GX-2XGF-4GF-4GT	2	4	4	DC9~36V

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

Copyright © Come-Star All rights reserved