

CES7110G-4GF-6GT

10-Port Layer 2 Gigabit Managed Embedded Industrial Ethernet Switch



- Support 4xGigabit SFP ports, 6xGigabit copper ports
- Support the ring network redundancy protocols such as MW-Ring V1/V2, ERPS and STP/RSTP
- Fast Ring Redundancy (MW-Ringv1/v2) <20ms enhances the reliability of system communication
- Support DDM digital diagnostic monitoring, which can monitor the operating temperature, voltage, current, transmit optical power and receive optical power of the current DDM SFP optical module.
- Support DC9~24V power input, with anti-reverse connection
- Comply with intrinsically safe circuit design standards
- Working temperature from -40 °C to +75 °C

Product Description

CES7110G-4GF-6GT is a 10-port layer 2 gigabit managed industrial ethernet switch. It supports single DC9~24V power input and anti-reverse connection to cater to various industrial network sites.

CES7110G-4GF-6GT managed switch supports WEB network management functions and multiple network protocols, such as MW-Ringv1/v2, ERPS, STP/RSTP, VLAN, LACP, IGMP-Snooping, LLDP, SNMPv1/v2c/v3, RMON, QoS, ACL, 802.1X authentication, port mirroring, storm detection, network diagnosis, loopback diagnosis and online firmware upgrade, etc.; the system provides user management with different permissions and supports online restart, upgrade and factory settings restoration. The hardware adopts a wide-voltage design. It adopts selected industrial-grade components and supports operating temperatures of -40°C~+75°C. The power supply meets the requirements of intrinsically safe circuit design standards and has passed strict safety regulations and EMC tests, to meet the application requirements of harsh industrial environments. The industrial switch can be widely used in industrial automation, integrated energy, intelligent transportation, smart cities, smart mines and other fields.

Product Features

- Support storm suppression for broadcast, multicast, and unknown unicast messages, detect broadcast and multicast packet storms, and prevent broadcast storms
- Support link static aggregation and dynamic aggregation LACP, which can increase transmission bandwidth, improve link reliability and realize network load balance
- Support 802.1Q VLAN, provide Access, Trunk, Hybrid interface easy to divide multiple broadcast domain, enhance the security of the network
- Supports IGMP snooping and static multicast tables, and establishes a Layer 2 multicast forwarding table to reduce the broadcast of multicast data in the network and save network resources.
- Support LLDP link layer discovery protocol, obtains LLDP neighbor device information, monitors link status, facilitates topology management and fault localization
- Support ERPS Ethernet multi ring protection technology, provide multi ring networking, perform link backup, achieve fast convergence, and improve network stability
- Support STP, RSTP, MSTP generating tree protocol, which can eliminate network loop and improve network reliability
- Support SNMPv1/v2c/v3, information query, information modification and troubleshooting through the MIB network management system, to achieve centralized management
- Supports RMON remote network monitoring, performs statistics and alarms on various types of data frames, and can be used for remote monitoring and management of network management systems
- Support QoS service quality, give priority to voice, video and important data in network devices, and solve network congestion
- Support ACL access control list, filtering TCP/UDP/ICMP/IGMP messages based on source/destination IP and MAC address
- Support 802.1X port authentication, authentication and access control for access users
- Supports loopback detection to prevent network loops from causing network storms

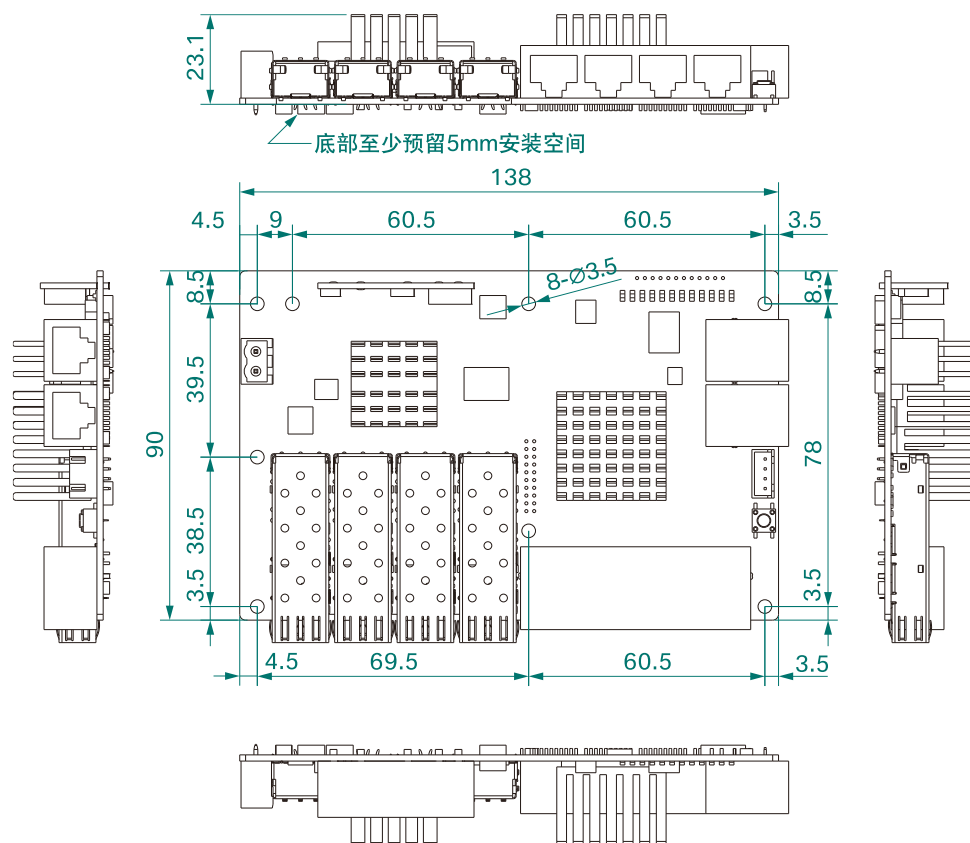
Technical Specifications

Software	
Switching	Support port configuration, port speed limit, storm suppression, storm detection, static port trunk, LACP Support 802.1Q VLAN, port isolation Support static unicast MAC address binding
Redundancy	Support MW-Ringv1/v2 private ring network technology Support ERPS Support STP/RSTP
Multicast	Support IGMP Snooping Support static multicast MAC address binding
Security Management	Support WEB, TELNET, and SSH access mode Support ACL and 802.1X port authentication Support email log and loopback detection
Management and Maintenance	Support QoS, SNMP v1/v2c/v3, SNMP v1/v2c/v3 TRAP, LLDP, RMON Support port mirroring, Ping, DDM Support user permission management, system logs, time synchronization Support online restart, factory reset, system upgrade, configuration file upload / download Support master software management
Switch Capability	
Processing Type	Store-and-Forward
Backplane Bandwidth	56Gbps
Buffer Size	4.1Mbit
MAC Table Size	8K
Interface	
Gigabit Fiber port	4*1000Base-X SFP ports, compatible with 100Base-FX and 1000Base-T Gigabit SFP module
Gigabit Copper port	6*10/100/1000Base-T(X) auto-sensing copper ports, full/half duplex, auto MDI/MDI-X
CONSOLE	1 CONSOLE port, used for device debugging

Button	Restart and factory reset
Status LED	Power LED, operation LED, alarm LED, port LED
Power Supply	
Input Voltage	DC9~24V, anti-reverse connection
Power Consumption	<10W@DC12V
Connection	5.08mm pitch 2-pin terminal block
Physical Characteristics	
Dimensions	138×90×23.1 mm (excluding interface)
Installations	Embedded
Weight	About 150g
Working Environment	
Operating Temp	-40°C~+75°C
Storage Temp	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)

Dimensions

Unit: mm



Ordering Information

Standard Model	Gigabit SFP Port	Gigabit Copper Port	Input Voltage
CES7110G-4GF-6GT	4	6	DC9~24V



Contact Us

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