CIES506G-2GF-4GT

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

- Support 2*Gigabit SFP ports and 4*1G copper ports
- Support MW-Ringv1/v2, ERPS, STP/RSTP for ring network redundancy
- Fast ring network redundancy (MW-Ringv1/v2) of less than 20ms enhances the reliability of system communication
- Support DDM digital diagnostic monitoring, which can monitor the operating temperature, voltage, current, transmit and receive optical power and other parameters of DDM SFP optical modules
- Support dual DC9~60V or AC24V power input, support dual power redundancy, non-polarity
- High-strength aluminum alloy shell, IP40 protection level, the equipment can work reliably in harsh industrial environments of -40℃~+75℃

Product Description

CIES506G-2GF-4GT is a 6-port Layer 2 Gigabit managed DIN Rail industrial Ethernet switch. It provides 2 Gigabit SFP ports and 4 1G copper ports, adopts a store-and-forward mechanism, and has powerful bandwidth processing capabilities. Moreover, it can automatically troubleshoot packet errors, reduce transmission failures, and easily support Gigabit networking, thus ensuring stable, reliable, and efficient data transmission. The product selects industrial-grade components and is combined with high-standard system design and production control. It supports 35 mm standard DIN rail installation and features a high-strength aluminum alloy housing that is sturdy and durable. With an operating temperature range of -40℃ to +75℃ and a high-standard industrial protection design, it can withstand various harsh working environments and provide stable communication performance.

CIES506G-2GF-4GT supports WEB network management functions and multiple network protocols, such as MW-Ring, ERPS, STP/RSTP, VLAN, QoS, static aggregation, port mirroring, static multicast MAC address binding, network diagnosis, DDM, system log, and system online upgrade. These functions help improve the performance, reliability, and security of the network, meeting the needs of various complex networks. This product has passed strict functional tests, including high and low temperature, safety, and EMC tests, and meets the application requirements of different network sites and harsh industrial environments. It can be widely used in industrial automation, integrated energy, smart cities, smart transportation, smart factories, and other fields.

Features and Benefits

- Support port ingress and egress rate limit
- Support broadcast, multicast and unknown unicast message rate limit to prevent network storm
- Support QoS service quality to prioritize the transmission of important data like voice and video
- Support 802.1Q VLAN, provide Access, Trunk, Hybrid interface to easily divide multiple broadcast domains and enhance network security
- Support static multicast MAC address binding to reduce the broadcast of multicast data in the network and save network resources
- Support port mirroring, which can collect port ingress, egress or all data for network detection and fault management
- Support link static aggregation to increase transmission bandwidth and improve link reliability
- Support RSTP spanning tree protocol, compatible with STP protocol, to eliminate network loops and improve network reliability
- Support ERPS Ethernet multi-ring protection technology, provide multi-ring networking, link backup, achieve fast convergence and improve network stability
- Support port statistics, count different types of data frames sent and received, and monitor port traffic
- Support Ping to detect network connectivity
- Support observers and administrators, management of users with different permissions
- Support system logs, can view and export log information of different modules and levels
- Support online device restart, factory reset and system upgrade

Specifications

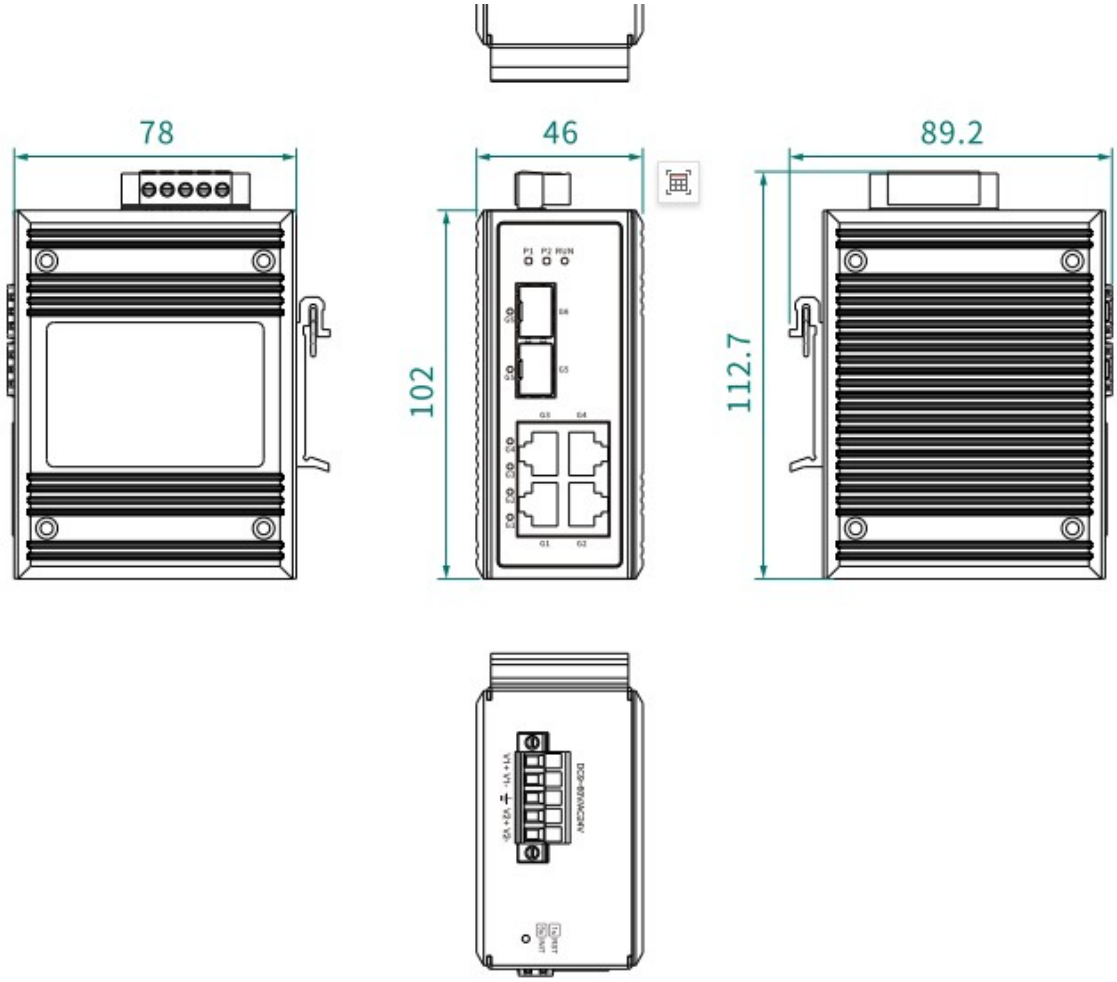
Software	
Switching	Support port configuration, port speed limit, storm suppression, static aggregation, port statistics Support port VLAN, 802.1Q VLAN Support MAC address aging
Redundancy	Support MW-Ringv1/v2 private ring network technology Support RSTP, compatible with STP Support ERPS
Multicast	Support static multicast MAC address binding

Management and Maintenance	Support QoS service quality, 802.1P/DSCP/port priority mapping, absolute and relative priority control Support port mirroring, Ping, optical module DDM Support static IP, DHCP client, system time, user password, system information, system log Support online restart, restore factory settings, system upgrade, configuration file upload/download Support MW-NMP, MixView, MaxView management
Switching Performance	
Processing Type	Store and forward
Backplane Bandwidth	14Gbps
Buffer Size	2Mbit
MAC Table Size	2k
Interface	
1G Fiber Port	2*1000Base-X Gigabit SFP slots, compatible with 100Base-FX (recommended to use the SFP module specified by our company)
1G Copper Port	4*10/100/1000Base-T(X) auto-sensing Gigabit RJ45 coppers, support full/half duplex, auto MDI/MDI-X
Button	One-click restart or factory reset
Status LEDs	Power status LEDs, operation status LEDs, interface status LEDs
Power Supply	
Input Voltage	DC9~60V/AC24V, support dual power redundancy, non-polarity
Power Consumption	≤4.7W@DC24V
Connection	5-bit 5.08 mm pitch locking terminal block
Physical Characteristics	
Dimensions	102×46×78 mm (excluding rail and connector)
Installations	35mm standard DIN rail installation

IP Code	Aluminum alloy housing, IP40 protection
Weight	Approximately 0.36kg
Working Environment	
Operating Temp	-40℃~+75℃
Storage Temp	-40℃~+85℃
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
EMC	IEC 61000-4-2 (ESD): Level 4 (contact discharge ±8kV, air discharge ±15kV) IEC 61000-4-5 (Surge): Level 4 (power supply: common mode ±4kV, differential mode ±2kV; Ethernet port: common mode ±6kV, differential mode ±2kV) IEC 61000-4-4 (EFT): Level 4 (power supply: ±4kV; Ethernet port: ±2kV)

Dimensions

Unit: mm



Ordering Information

Standard Model	1G Fiber Port	1G Copper Port	Input Voltage
CIES506G-2GF-4GT	2	4	Dual DC9~60V/AC24V

Contact Us

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