ICS5000-E8GP2GS-PRO

Desktop or Rack Mounting

10 Port Gigabit Layer 2 Managed PoE Ethernet Switch

- Support 8 Gigabit POE ports; Supports 2-way Gigabit SFP slots
- Adopting Ring ring network patented technology, supporting single ring, coupling ring, chain ring, and dual homing ring network functions, with network fault automatic recovery time<20ms
- Support multiple network protocols and industry standards, such as ARP, STP/RSTP/MSTP, MRP, ERPS, VLAN, LACP, IGMP Snooping, LLDP, SNMP, etc
- Support 220VAC/DC (100-240VAC/DC) power input
- Support working temperatures of -10~45 ℃
- Support IP20 protection leve

Introduction

ICS5000-E8GP2GS-PRO is a 10 port fully Gigabit Layer 2 network managed PoE Ethernet switch. The PoE power supply complies with the IEEE802.3af/at protocol standard and can provide power to powered devices through Ethernet, reducing cable connections for powered devices. This series provides gigabit POE ports and gigabit SFP slots, which can negotiate port rates and duplex modes with peer devices through self negotiation; Support 220VAC/DC (100-240VAC/DC) power input; Adopting desktop or rack mounted installation methods can meet the needs of different application sites.

The network management system supports multiple network protocols and industry standards, such as IPv4, ARP, Ring, STP/RSTP/MSTP, MRP, ERPS, VLAN, IGMP Snooping, LLDP, LACP, port mirroring, etc; Having comprehensive management functions, supporting SNMP centralized management, port statistics, storm suppression, network diagnosis, online upgrades, PoE management, etc; It can support access methods such as HTTP, HTTPS, TELNET, SSH, etc. The interface design of the network management system is friendly, easy to operate, and can bring you a good user experience.

The RESET button enables device restart and factory reset. The product is designed with a fan. The hardware adopts a low-power and wide temperature design, and through strict testing in accordance with industry standards, it can adapt to industrial on-site environments with strict requirements for EMC. It can be widely used in fields such as smart cities, safe cities, new energy, and intelligent manufacturing.

Features and Benefits

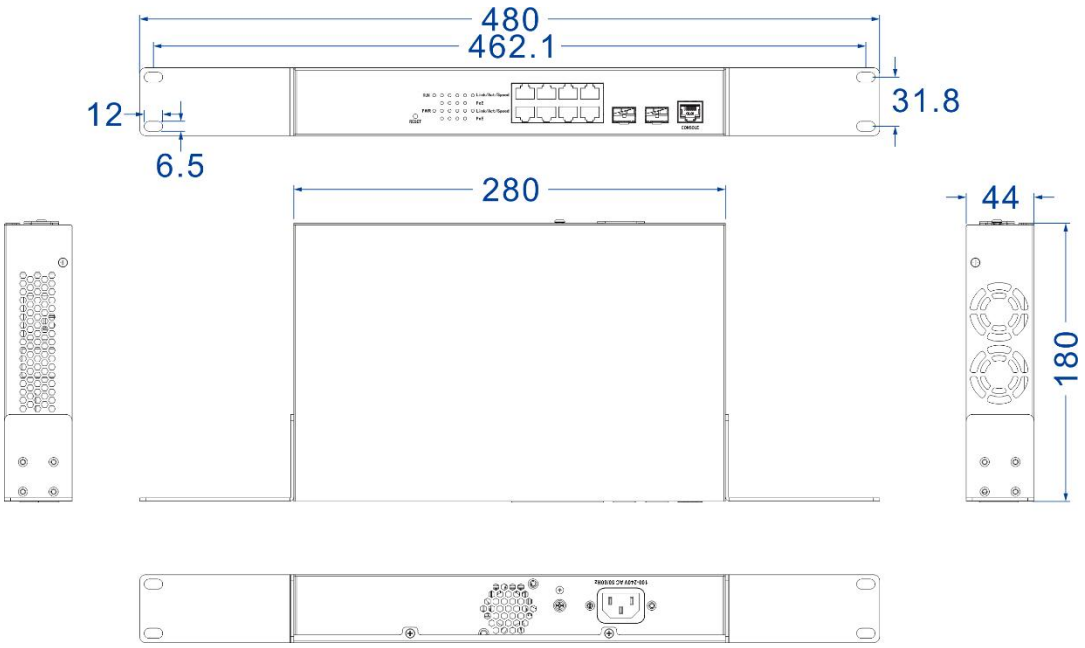
- SNMPv1/v2c/v3 for different levels of network management
- LLDP can achieve automatic topology discovery and facilitate visual management
- File management facilitates rapid device configuration and online upgrades
- Log information and log servers can record user operations, system failures, system security, and other information locally and remotely
- The hierarchical configuration of user permissions can achieve the setting of user privilege levels
- SSH configuration and HTTPS configuration can improve device management security and ensure data access security
- Ring, MRP, and STP/RSTP/MSTP can achieve network redundancy and prevent network storms
- ERPS function enables link backup and improves network reliability
- Storm suppression can suppress broadcasting, unknown multicast, and unknown unicast
- VLAN can simplify network planning by setting up a virtual local area network
- Port aggregation and LACP can increase network bandwidth, enhance the reliability of network connections, and achieve optimal bandwidth utilization

- IGMP Snooping can be used to filter multicast traffic to save network bandwidth
- ARP can be used for MAC address resolution
- Loop detection effectively eliminates the impact of port loops by detecting the presence of loops on the port
- Smart Link link backup, providing reliable and efficient backup and fast switching mechanism
- Network diagnosis and troubleshooting can be carried out through Ping, Traceroute, network cable diagnosis, SFP DDMI
- Port mirroring can analyze and monitor data for easy online debugging
- PoE power supply provides power to powered devices through Ethernet, greatly saving equipment power supply costs

Dimension

Unit: mm

- ICS5000-E8GP2GS-PRO



Specification

Standard & Protocol	10Base-T, following IEEE 802.3 100Base-TX, following IEEE 802.3u 1000Base-T, following IEEE 802.3ab 1000Base X, following IEEE 802.3z Flow control, following IEEE 802.3x Spanning tree, following IEEE 802.1D Fast spanning tree, following IEEE 802.1w Multiple spanning trees, following IEEE 802.1s ERPS, following ITU-T G.8032 VLAN, following IEEE 802.1Q LLDP, following IEEE 802.1AB LACP, following IEEE 802.3ad PoE, following IEEE 802.3af PoE+, following IEEE 802.3at
Management	SNMP v1/v2c/v3 centralized management device, port mirroring, LLDP, port speed limit, port isolation, port statistics, file management, online upgrade, log information, Syslog server, PoE management (PoE product support)
Security	User permission grading, SSH/HTTPS protocol authorization, link oscillation protection, port loop detection, Smart Link, port alarm
Switch Function	802.1Q VLAN, MAC, Static Aggregation, LACP, ARP, Storm Suppression
Unicast / Multicast	IGMP Snooping
Redundancy Technology	Ring, MRP, STP/RSTP/MSTP, ERPS
Troubleshooting	Ping, Traceroute, network cable diagnosis, DDMI
Time Management	NTP client/server, time zone configuration
Interface	Gigabit PoE: 10/100/1000Base-T(X), Automatic Flow Control, Full/Half Duplex, MDI/MDI-X automatic detection; Single port can support IEEE802.3af standard PoE. The output power is 15.4W, which is the standard PoE+ output power of IEEE802.3at 30W; The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6 Gigabit SFP: 1000Base-X SFP slot CONSOLE port: CLI command line management port (RS-232), RJ45

Indicator	Power indicator light, operation indicator light, alarm indicator light, interface indicator light
Switch Property	Transmission method: storage and forwarding ● MAC address: 8K ● Cache: 4.1Mbit ● Backplane bandwidth: 20G ● Exchange latency:<10 μ S
Power Supply	● 220VAC/DC (100-240VAC/DC) ● Three-phase socket
Power Consumption	Empty: 5.9W@220VAC Full load: 156.5W@220VAC
Working Environment	Working temperature: -10~45 ℃ Storage temperature: -40~75 ℃ Relative humidity: 5%~95% (without condensation)
Physical Characteristic	● Shell: IP20 protection level, metal shell ● Size (width × high × Depth: 280mm × 44mm × 180mm (excluding hanging ears) ● Installation: rack mounted ● Weight: 1456g
Industrial Standard	IEC 61000-4-2 (ESD, Electrostatic Discharge Immunity), Level 3 ● Contact discharge: ± 6kV ● Air discharge: ± 8kV IEC 61000-4-4 (EFT, Electrical Fast Transient Pulse Immunity), Level 3 ● Power supply: ± 2kV ● Electric port: ± 1kV IEC 61000-4-5 (Surge, Surge Immunity), Level 3 ● Power supply: common mode ± 2kV, differential mode ± 1kV ● Electrical port: common mode ± 2kV, differential mode ± 1kV Impact: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Authentication	CE, FCC, RoHS
Warranty	3 years

Ordering Information

Available Models	Gigabit Copper Port	Gigabit SFP Slot	Power Supply
ICS5000-E8GP2GS-PRO-N	8	2	220VAC/DC (100-240VAC/DC)