



ICS5000-C48GP6XS

19 inch 1U rack mounted installation

Three layer management Ethernet PoE switch

- Supports 48 gigabit electrical ports, 6 gigabit optical ports, and 1 Console port, among which the electrical port has PoE power supply function
- Ethernet port supports full/half duplex, MDI/MDI-X adaptive function
- Supports IEEE802.3at standard and is backward compatible with IEEE802.3af
- Support QoS (Quality of Service), port mirroring, and link aggregation protocols
- Supports automatic port flipping
- Supports input voltage of 100-240VAC
- Supports wide temperature operation from 0 to 45 °C



Introduction

The ICS5000-C48GP6XS is a three-layer managed 10 Gigabit hybrid PoE switch. 48 RJ45 ports are compatible with three types of networks: 10Base-T, 100Base-TX, and 1000Base-T, all of which have PoE power supply function, and 6 10 Gigabit port 10G SFP+optical ports, which can be used to connect upstream devices with higher bandwidth. It supports IEEE802.3at standard and is downward compatible with 802.3af. It can be used as power over Ethernet equipment, and can automatically detect and identify the power receiving equipment that meets the standard, and power it through the network cable.

This product provides 10 Gigabit optical ports and gigabit electrical ports, which support the MDIMDI-X self identification function of cables. Supports wire speed forwarding for all ports, providing greater network flexibility. Adopting storage and forwarding technology, combined with dynamic memory allocation, ensures effective bandwidth allocation to each port. With flow control, when the flow control is turned on, the node can effectively avoid packet loss during transmission and reception. Easy to manage and maintain, meeting the networking and access requirements of enterprises, intelligent communities, hotels, office networks, and park networks. Built in high reliability and wide voltage input design power supply, even if the power grid voltage is unstable, it can ensure that the equipment can work normally.

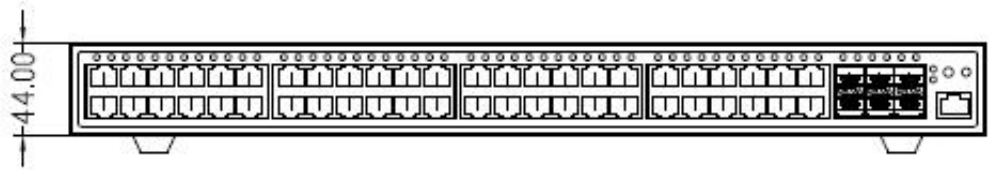
Features and advantages

- ⊙ Line speed forwarding, intelligent recognition
- ⊙ 6 10G SFP+fiber optic ports
- ⊙ Up to 216Gbps backplane bandwidth
- ⊙ Built in 520W switch power supply
- ⊙ The maximum power support for a single port is 30W, and the maximum total power can reach 450W
- ⊙ Supports automatic port flipping
- ⊙ Support for web management
- ⊙ Support MAC address learning
- ⊙ Support web based operations
- ⊙ 48 10/100/1000Mbps adaptive RJ45 ports, supporting automatic port flipping (Auto MDI/MDIX), 6 10 Gigabit ports -1000/1000Mbps SFP+optical ports, can be used to connect upstream devices with higher bandwidth
- ⊙ Data exchange adopts a storage forwarding method
- ⊙ Dynamic LED indicator light, providing simple working status prompts and troubleshooting
- ⊙ Equipped with built-in power supply and a 19 inch full iron shell design, suitable for rack installation

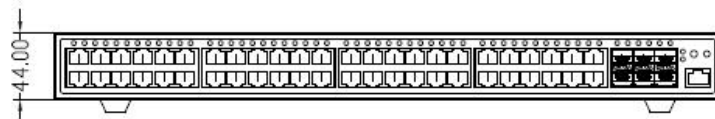
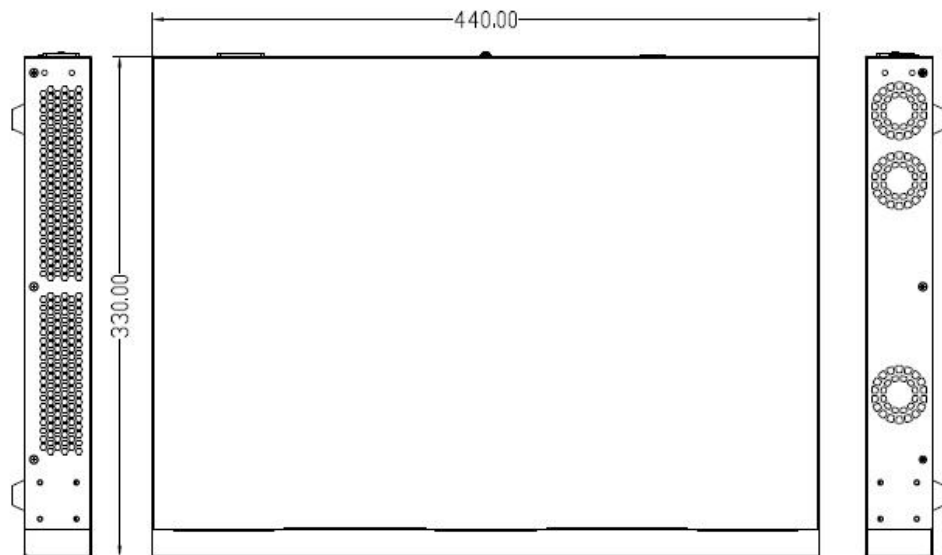
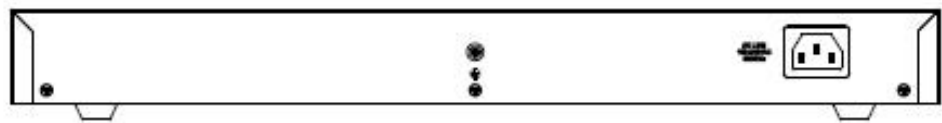
Appearance size

Unit: mm

➤ Main View



➤ Rear view



Specifications

Standards and protocols	IEEE 802.3i 、 IEEE802.3af IEEE802.3at、 IEEE 802.3u IEEE802.3z、 IEEE802.3ab IEEE802.3x、 IEEE802.3ae IEEE802.3az
Interface	Gigabit Ethernet port: 48 * 10/100/1000Mbps port adaptive RJ45 port, supporting MDI/MDI-X adaptation Gigabit optical port: 6 * 1000/1000Mbps port SFP+fiber optic interface
Indicator light	Power indicator light, system operation light, interface indicator light, POE status indicator light
Power waste	Maximum (PoE full load): 550W (220V/50Hz)
Exchange Properties	Transmission method: storage and forwarding MAC address: 32K Switching capacity: 216Gbps Packet forwarding rate: 160.704Mpps Package cache: 16Mbit Giant frame: 12KBytes PoE interface: 48 PoE ports compliant with IEEE802.3at/af standard Power supply pins: 1/2 (+), 3/6 (-) PoE output power: maximum: 450W
Basic function	Ethernet settings STP/RSTP/MSTP Broadcast Storm Control Port Mirror line rate MAC address filtering Port aggregation (static, LACP) Giant frame
Three layer function	Anti ARP network management spoofing Filter IP ports IP and MAC static binding ARP Trust Port Supports three-layer forwarding Ping and Traceroute Support OSPF and RIP configurations Supports IPv4 and IPv6 static routing IP routing, uRPF, policy routing
Security policy	ACE capacity ACL

	QoS Flow control
VLAN	Port based VLAN 802.1Q VLAN GVRP Support VLAN based on MAC/protocol/IP subnet/policy/port VLAN-translation
Safety functions	Radius Tacacs+ Anti DOS attack dot1x Anti gateway ARP spoofing Anti ARP attacks Port security
Application protocol	DHCP Relay DHCP snooping DHCP Client/Server FTP/TFTP
Administration	HTTP WEB Management Telnet SSH Management Console
Other	LLDP IGMP Snooping MLD Snooping Support IP multicast Supports IGMP and PIM SNMPV1,V2c,V3 RMON (1,2,3,9) Energy saving POE
Power Supply	Input voltage: 100-240VAC, 50/60Hz, 520W built-in power supply
Work environment	Working temperature: 0-45 °C Storage temperature: -40~70 °C Working humidity: 10%~90% (without condensation) Storage humidity: 5%~95% (without condensation)
Mechanical structure	Size (width × high × Depth: 440mm × 44mm × 330mm)
Warranty	3 years

Ordering information

Available Modelss	Gigabit electrical port	10 Gigabit optical port	POE output power	Power Supply
ICS5000-C48GP6XS-N	48	6	450W	100~240VAC, 50/60Hz, 520W built-in power supply