



ICS5000-E24GP4GS

19-inch 1U Rack Mounting or Desktop Mounting
28-Port Gigabit Layer 2 Managed Ethernet PoE Switch

- 24 Gigabit self-adaptive RJ45 ports, 4 Gigabit SFP ports
- Support port Auto-MDI/MDIX
- Up to 56G backplane bandwidth
- Adopt store and forward mode
- Support MAC address auto-learning
- Support Web-based Management
- Supports PoE power up to 30W for each PoE port, total power up to 370W for all PoE ports



Introduction

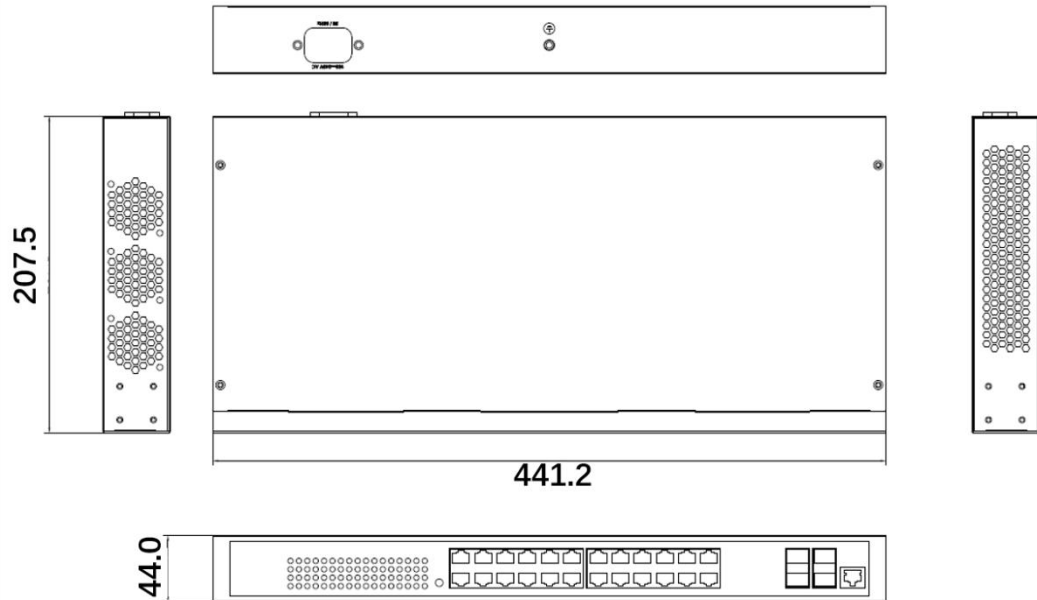
ICS5000-E24GP4GS is a layer-2 managed PoE switch. Provides 24 10/100/1000Mbps self-adaptive RJ45 ports, and 4 Gigabit SFP ports; All ports support line-speed forwarding, which can provide you with greater network flexibility. Support VLAN ACL based on port, easily implement network monitoring, traffic regulation, priority tag and traffic control. Support traditional STP/RSTP/MSTP 2 link protection technology; greatly improve the ability of fault tolerance, redundancy backup to ensure the stable operation of the network. Support ACL control based on the time, easy control the access time accurately. Support 802.1x authentication based on the port and MAC, easily set user access. Perfect QoS strategy and plenty of VLAN function make it easy to manage and maintain, 24 RJ45 ports support PoE power supply function, support IEEE802.3at/af standard, can be used as Ethernet power supply device, which can automatically detect and identify the power receiving device that meets the standard, and supply power to it through the network cable. It needs no configuration, plug and play, and can flexibly expand the home and office network without being restricted by the power line layout; and can be widely used in safe city, intelligent transportation, high-speed tunnels and other fields.

Features and Benefits

- ⊙ Comply with IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3ad ,standards; Supports IEEE802.3at/af PoE standards
- ⊙ Supports PoE power up to 30W for each PoE port, total power up to 370W for all PoE ports
- ⊙ Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- ⊙ Supports MAC address auto-learning
- ⊙ 24 10/100/1000M self-adaptive RJ45 ports, 4 Gigabit SFP ports, all copper ports support port auto- MDI/MDIX and auto-negotiation, which can adjust transmission method and rate automatically
- ⊙ Adopt store and forward mode
- ⊙ Support SNMP/RMON/TELENT/Web
- ⊙ Support Storm Control
- ⊙ Support QoS, Port Mirroring, Link Aggregation, Access Control
- ⊙ Dynamic bicolor LED indicator, providing simple work mode alert and troubleshooting
- ⊙ Built-in 400W high-performance switch power

Dimension

Unit: mm



Specification

Model	ICS5000-E24GP4GS
Chipset	RTL8382M+2*RTL8218B-VC+RTL8214FC+3*RTL8231+HT85F2280+3*IP808
Network Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3ad, IEEE802.1P, IEEE802.1Q, IEEE802.3at, IEEE802.3af
Network Media	10BASE-T: UTP category 3,4,5 cable 100BASE-TX: UTP category 5,5e cable 1000BASE-T: UTP category 5e,6 cable 1000Base-SX:62.5µm/50µm MMF(2m~550m) 1000Base-LX:62.5µm/50µm MMF(2m~550m) or 10µm SMF (2m~5000m)
Transfer Method	Store-and-Forward

Backplane Bandwidth	56Gbps
Packet Forwarding Rate	41.66Mbps
Packet Buffer	4.1Mbit
MAC Address Table	8K
Jumbo Frame	9KByte
Number of Ports	24 10/100/1000Mbps self-adaptive RJ45 ports (Auto MDI/MDIX) 4 Gigabit SFP ports 1 RJ45 Console serial port
PoE Ports(RJ45)	24 PoE ports compliant with IEEE802.3at/af
Power Pin	1/2(+),3/6(-)
PoE Output Power	≤370W
LED Indicator of Per Port	10/100Mbps Link/Act: Orange 1000Mbps Link/Act: Green PoE: Green
LED Indicator of Power and System	Power: Green SYS: Green
Power Supply	AC 100-240V/50-60Hz 400W internal power
Power Consumption	Maximum:430W(220V/50Hz)
Dimensions (W x D x H)	440*208*44mm
System	IP Configuration(IPV4, IPV6) User Configuration Time Settings(SNTP) Log Management SNMP (V2) RMON
Port	Port Configuration Link Aggregation(static, LACP) Port Mirroring Jumbo Frame

	Port Error Disabled Configuration
Vlan	Port based VLAN Protocol based VLAN
IGMP	IGMP Snooping (V2, V3) Multicast group (256)
STP	IEEE 802.1D STP IEEE 802.1W RSTP IEEE 802.1S MSTP
Security	Broadcast / Uncast / Multicast Storm Control IEEE 802.1x DHCP Snooping (IP, MAC, Port)
ACL	MAC-Based ACL MAC-Based ACE IPv4-Based ACL IPv4-Based ACE
QoS	WRR (Weighted Round Robin) Port-based QoS IEEE 802.1p Class of Service DSCP-based QoS QoS basic mode QoS advanced mode (Policy based)
Bandwidth Control	Ingress Port Ingress VLAN Egress Port Egress Queue
MAC Address Setting	Static Mac Setting MAC Filtering Dynamic Address Learn/Setting Rma Setting
LLDP	LLDP Port Setting MED Network Policy
Management	System Status

	<ul style="list-style-type: none"> Ping Test Factory Reboot Switch Backup/Upgrade Manager Configuration Manager
Environment	<ul style="list-style-type: none"> Operating Temperature: 0 - 45°C Storage Temperature: -40°C - 70°C Operating Humidity: 10%~90% RH non-condensing Storage humidity: 5%~90% RH non-condensing
Mechanical Structure	<ul style="list-style-type: none"> Housing: Metal housing, IP20 protection class Mounting: 19 inch 1U rack mounting
Authentication	CE、FCC、RoHS
Quality guarantee	Three years

Ordering Information

Available Models	Gigabit PoE Copper Port	Gigabit SFP	Power Supply
ICS5000-E24GP4GS-N	24	4	100-240VAC