

**CS5244GX-POE**

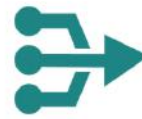
## L3 Managed Ethernet POE Switch

**24GE + 4SFP+**

ACL Protection



STP/RSTP/MSTP



LACP Protocol



IEEE802.3 AF/AT

## Brief Views

CS5244GX-POE is a 28 Port 10G Uplink 24 Port Gigabit L3 Managed Ethernet POE Switch, which provide 24\*10/100/1000 adaptive POE electrical port, 4\*10G SFP+ Port, 1\*Console port, 1\*USB series port. Used the high quality high speed network IC and the most stable POE chips, POE port satisfied IEEE 802.3 af/at standard, this series POE Switch can provide no gap link for 10/100/1000M ethernet, and the PoE power supply port can automatically detect and supply power to the power receiving device that meets the standard, intelligent detection of non-PoE devices does not supply power, only transmits data.

## Functional Features

- Comply to IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab IEEE 802.3ae, IEEE 802.3az;
- 24\*10/100/1000M RJ45 adaptive ports, support Auto MDI/MDIX;
- 4\*10G SFP+ ports;
- Support IEEE802.3AF/AT
- Support 16K MAC table size;
- Support IPV4/IPV6, RIP, OSPF;
- Support 802.1x port authentication, support AAA authentication, support Radius, TACACS+ authentication;
- Support RMON V2
- Support IGMP V1/V2/V3 Snooping;
- Support CLI/SNMP/WEB UI Management;
- Embedded power, 1U metal shell, standard rack structure.

## Hardware

- **Downlink ports**
  - 24\*10/100/1000BASE-T RJ45
- **Uplink ports**
  - 4\*10G SFP+
- **Console port**
  - 1 pcs
- **USB port**
  - 1 pcs
- **Switching capability**
  - 128Gbps
- **Packets switching capability**
  - 95Mpps
- **Switching method**
  - Storage forwarding
- **LED light**
  - power, ports, sys
- **POE**
  - Max Power 440W, port MAX 30W
- **Environment parameters**
  - Work temperature: -10 - to 50°C
  - Storage temperature: -40 - 85°C
  - Work humidity: 10% to 90%
  - Storage humidity: 10% to 95%
- **Jumbo Frame**
  - 12Kbytes
- **MAC table size**
  - 16K
- **Flash size**
  - 16MB
- **DDR3 size**
  - 128MB
- **Power**
  - AC100-240V/50-60Hz
- **Power consumption**
  - Full load <= 36W
- **Dimension (W\*D\*Hmm)**
  - 440\*280\*44mm
- **Weight**
  - Product Weight: 4.03KG
  - Packing Weight: 5.15KG
- **Certification compliance**
  - FCC CE ROHS

## Software

### ● Basic function

- Support hardware watchdog, factory reset, system and port LED
- Support global information, statistical information, log information
- Support User management, alarm management, configuration management
- Support Port rate, duplex, flow control, maximum frame length configuration
- Support Port mirroring, port speed limit, port energy saving

### ● Layer 3 Interface

- Support Layer 3 interface
- Support IPv4, IPv6 address configuration
- Support ARP configuration
- Support ND configuration

### ● Layer 3 Routing

- Support IPv4 static routing
- Support IPv6 static routing
- Support RIP V1/V2
- Support OSPF

### ● DHCP

- Support DHCP server
- Support DHCP relay
- Support DHCP Snooping

### ● VLAN

- Support 4K VLAN
- Support 802.1Q VLAN, based on port VLAN
- Support Access、Trunk、Hybrid VLAN mode
- Support GVRP (VLAN registration protocol)
- Support MAC VLAN、IP VLAN
- Support Voice VLAN

### ● MAC Address

- Support MAC address automatic learning and aging
- Support Static, dynamic, filtered address table

### ● Security features

- Password protection
- Support Restrict user access based on port number, IP address, MAC address
- Support HTTPS、SSH V1/V2
- Support IP-MAC-PORT-VLAN binding
- Support ARP detection, IP source protection, DoS protection
- Support DHCP Snooping、DHCP Attack protection
- Support 802.1X Certification
- Support AAA (Authentication, Authorization, Accounting), Support RADIUS protocol, TACACS+
- Support Port security, port isolation

### ● Access control

- Support L2(Layer 2) ~ L4(Layer 4) Packet filtering function
- Support Port mirroring, flow rate limiting, QoS remarking

### ● QOS

- Support 8 port queues
- Support Port priority, 802.1P priority, DSCP priority
- Support SP, WRR Priority scheduling algorithm

## Software

- **Spanning tree**
  - Support STP, RSTP and MSTP protocol
  - Support Multi-instance, Support Aggregate interface
  - Support BPDU protection
- **Multicast**
  - Support IGMP v1/v2/v3 Snooping
  - Support MLD v1/v2 Snooping
  - Support Layer 2 multicast fast leave mechanism, querier
  - Support Layer 2 IPv4 static multicast
  - Support Layer 2 IPv6 static multicast
  - Support IGMP v1/v2/v3 Layer 3 multicast
- **Storm suppression**
  - Support multicast suppression
  - Support broadcast storm suppression
  - Support unknown unicast suppression
- **Ring protection**
  - Support Ring protection
- **Link Aggregation**
  - Support Static Aggregation
  - Support LACP Dynamic Aggregation
  - Support based on IP, MAC, mixed load-balancing modes
  - Maximum support 32 aggregation groups (8 ports per aggregation group)
- **IPv6**
  - Support IPv6 Ping、 IPv6 Traceroute、 IPv6 Telnet
  - Support IPv6 SSH
  - Support IPv6 HTTP 、 IPv6 HTTPS
- **Management and Maintenance**
  - Support WEB Management (HTTP、 HTTPS)
  - Support CLI (Telnet, SSH V1/V2, Local serial port)
  - Support SNMP V1/V2/V3
  - Support RMON V2
  - Support LLDP Device discovery
  - Support SNTP Time synchronization
  - Support CPU Monitoring, Memory Monitoring
  - Support CPU Monitoring, Memory Monitoring
  - Support Ping, Trace route detection, cable detection