

**CS5244GX-POE**

L3 Managed Ethernet POE Switch

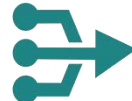
24GE + 4SFP+



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 , baesd 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