

**CS4244GX**

L2+ Managed Ethernet Switch

24GE + 4SFP+

ACL Protection



ERRP Ring Protection



LACP Protocol



SFlow Protocol

Brief Views

CS4244GX is a full Gigabit L2+ Managed Ethernet Switch. The product hardware uses a high-performance low-power network processor, provides Gigabit wire-speed forwarding performance, supports the line sleep capability of Green Ethernet, and has the lowest power consumption compared with switches in the same class.

It provides 24 Gigabit ports and 4 SFP+ ports, which can meet the requirements of cost-effective Gigabit access or convergence network. The product has abundant L2 features such as VLAN, LACP, QoS, ACL, and is widely used in the access of enterprise networks and campus networks. It provides the users with a high-performance, easy-to-manage, easy-to-expand, and low-cost solution when it comes to Gigabit to desktop solutions.

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 16K MAC table size;
- Support abundant L2 features such as VLAN, QinQ, LLDP, QoS, ACL;
- Support Ethernet OAM 802.3ah EFM and 802.1ag CFM;
- Support SFlow protocol ;
- Support RMON group 1,2,3,9;
- Support IGMP V1/V2/V3 Snooping;
- Support CLI/SNMP/WEB UI Management;
- 1U medal shell, quiet without fan.

Hardware

- **Downlink ports**
 - 24*10/100/1000BASE-T RJ45
- **Uplink ports**
 - 4*10G SFP+
- **Console port**
 - 1 pcs
- **Switching capability**
 - 128Gbps
- **Packets switching capability**
 - 95Mpps
- **Switiching method**
 - Storage forwarding
- **LED light**
 - power, ports, sys
- **Enviroment parameters**
 - Work temperature: -15 - to 50°C
 - Storage temperature: -40 - 70°C
 - Work humidity: 10% to 90%
 - Storage humidity: 10% to 90%
- **Jumbo Frame**
 - 9K
- **MAC table size**
 - 16K
- **FLASH size**
 - 16MB
- **DDR3 size**
 - 512MB
- **Power**
 - AC90 ~ 264V, 47 ~ 67Hz
- **Power consumption**
 - Full load <= 40W, empty load <= 20W
- **Dimention (W*D*Hmm)**
 - 290×220×43.6(mm)
- **Weight**
 - <= 4.5KG
- **Certification**
 - FCC; CE; ROHS

Software

● MAC

- Manual MAC address adding/deleting
- Manual MAC address aging time setting
- Shutting Port MAC address learning
- MAC address quantity control based on port and vlan
- Port MAC address filtering

● VLAN

- Port and protocol based VLAN
- 802.1Q tagged VLAN
- QinQ
- Max.4094 VLANs

● Port

- Support static and dynamic LACP protocol
- Egress and ingress speed limit
- Broadcast/Multicast/Unknown Unicast Storm Control
- Support port mirroring

● Ring protocol

- Support STP/RSTP/MSTP
- Support loopback detection
- ERRP(Ethernet Redundant Ring Protocol)

● Link protection

- Support FlexLink link backup (link healing time <50ms)
- Support RSTP/MSTP link healing hardware acceleration capability (loop healing time <1s)
- Support LACP dynamic link aggregation (link healing time <50ms)

● IP

- IP static routing

● ACL

- Support standard and extended ACL
- Provides flow classification and flow definition based on IP header information such as source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP (IPv4/IPv6) address, TCP/UDP port number, protocol type, etc.
- Support ACL strategy based on time range

● QoS

- Support rate limiting on the rate of receiving and sending packets of port or custom streams
- Support port mirroring and redirection of port or custom streams
- Support SP、WRR、SP+WRR、WFQ、SP+WFQ queue scheduling algorithm for each port or custom stream

● Multicast

- Layer 2 multicast entry size 509
- Support IGMP V1/V2/v3 Snooping
- Support IGMP Filtering
- Support MVR protocol

Software

● User safety

- Support Anti-ARP-spoofing protection
- Support Anti-ARP-flooding automatic suppression
- Support IP+MAC+port+VLAN binding table automatic creating through IP Source Guard
- Support port Isolation
- Support IEEE 802.1x and AAA/Radius Users Identity Authorizing

● Device safety

- Prevent the CPU from various DOS attacks and virus attacks through the control layer
- Support SSHv2 Secure Shell
- Support SNMP V3 encryption management
- Telnet login and password mechanism with Security IP
- User classified protection, prevent illegal users from intruding

● Network safety

- Support ARP traffic detection based on each user's MAC address
- Support ARP packages suppression or user blocking based on ARP traffic detection
- Support L2-L7 ACL flow filtering
- Support port broadcast/multicast packages suppression and automatic shutdown of dangerous ports
- Support DHCP Option82 and PPPoE+ mark with physical location information

● Network maintenance

- Support LLDP protocol
- Support Ethernet OAM 802.3ah EFM and 802.1ag CFM
- Support RMON (Remote Monitoring)group 1,2,3,9
- Support sFlow protocol
- PING,Traceroute

● Device management

- Support Telnet,SSH
- Support SNMP protocol
- Support SNMP V1/V2c/V3
- Support Radius remote authorization
- Support Tacacs+ remote authorization
- CLI
- WEB
(IP:192.168.1.200 ,username/password: admin/admin)