CS3082GS

L2 Managed Ethernet Switch

8GE + 2SFP

6kv	ACL Protection	STP/RSTP/MSTP	LACP Protocol

Brief Views

CS3082GS is a full Gigabit Layer 2 Managed Ethernet Switch. It provides 8 Gigabit ports and 2 SFP ports, which can meet the requirements of cost-effective Gigabit access or convergence network.It adopts storage-forwarding and dynamic memory allocation technology ,which makes sure each port can work in linear forwarding way.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 802.3z；

- 8*10/100/1000M RJ45 Auto MDI/MDIX ports；

- 2*1000M SFP ports；

- Support abundant L2 features such as VLAN, LLDP, QoS, ACL；

- Support 802.1x port authentication, support AAA authentication, support Radius,TACACS+ authentication；

- Support DIP mode,VLAN,Default,Extend；

- Support RMON V1;

- Support IGMP V1/V2/V3 Snooping；

- Support WEB, TELNET, CLI, SSH, SNMP, RMON management.

Hardware

- **Downlink ports**
- 8*10/100/1000MBASE-T RJ45
- **Uplink ports**
- 2* 1000M SFP
- **Console port**
- 1 pcs
- **Switching capability**
- 20Gbps
- **Packets switching capability**
- 14.88Mpps
- **Switching method**
- Storage forwarding
- **LED light**
- PWR、SYS、Link、ACT
- **Enviroment parameters**
- Work temperature：-15 - to 55℃
- Storage temperature：-40 - 70℃
- Work humidity：10% to 90%
- Storage humidity：10% to 90%

- **Jumbo Frame**
- 9K
- **MAC table size**
- 8K
- **Flash size**
- 16MB
- **DDR3 size**
- 128MB
- **Power**
- AC100-240V/50-60Hz
- **Dimention （W*D*Hmm）**
- 200*120*45mm
- **Weight**
- N.W: 0.7KG,N.W: 1.2KG
- **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
- **MAC**
- Support MAC address automatic learning and aging
- Support static,dynamic,filtered address table
- **LACP**
- Support Static Aggregation
- Support LACP Dynamic Aggregation
- Maximum support 8 aggregation groups (8 ports per aggregation group)
- Support based on IP, MAC, mixed load-balancing modes
- **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
- **IPv6**
- Support IPv6 Ping, IPv6 Traceroute, IPv6 Telnet
- Support IPv6 SSH, HTTP, HTTPS

- **Multicast**
- IGMP snooping V1/V2/V3
- Support MLD v1/v2 Snooping
- Support Layer 2 multicast fast leave mechanism, querier
- Support Layer 2 IPv4 static multicast
- Support IGMP v1/v2/v3 Layer 3 multicast
- **STP**
- IEEE 802.1D STP
- IEEE 802.1W RSTP
- IEEE 802.1S MSTP
- **ACL**
- 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
- **Storm suppression**
- Support multicast suppression
- Support broadcast storm suppression
- Support unknown unicast suppression
- **LLDP**
- Support LLDP link discovery protocol

Security features

- Support HTTPS, SSH V1/V2
- Support VLAN-IP-MAC-PORT binding
- Support DHCP Snooping(Option82), DHCP Attack protection
- Support 802.1X Certification
- SupportAAA (Authentication, Authorization, Accounting), Support RADIUS protocal
- Support Port security, port isolation

Management and Maintenance

- Support WEB Management (HTTP,HTTPS)
- Telnet
- SSH V1/V2
- CLI
- SNMP V1/V2/V3
- RMON V1