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CS5484GX

L3 Managed Ethernet Switch

48GE + 4SFP+

ACL Protection

STP/RSTP/MSTP

LACP Protocol

RMON

Brief Views

CS5484GX is a 52-port 10 Gigabit uplink 48-port Gigabit Layer 3 managed Ethernet switch. Support 48 * 10/100/1000 adaptive electrical ports, 4 * 10 Gb SFP+ ports, 1 console port, and 1 USB serial port. Perfect security control strategy and CPU protect policy improve fault tolerance and ensure stable operation of the network and load balancing of the interconnection; The device supports automatic DoS attack defense and SNMP, IEEE 802.1, STP, RSTP, Link aggregation, and other functions. With advanced security functions and quality of service (QoS), it can be used as core layer, distribution layer ,and access layer switch with high density port and easy management, is an ideal choice for various business network applications.

Functional Features

- Comply to IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab IEEE 802.3ae,IEEE 802.3az;
- 48*10/100/1000M RJ45 adaptive ports，support Auto MDI/MDIX；
- 4*10G SFP+ ports；
- Support 32K 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;
- Embeded power,1U metal shell,standard rack structure.

Hardware

- **Downlink ports**
- 48*10/100/1000BASE-T RJ45
- **Uplink ports**
- 4*10G SFP+
- **Console port**
- 1 pcs
- **USB port**
- 1 pcs
- **Switching capability**
- 176Gbps
- **Packets switching capability**
- 131Mpps
- **Switching method**
- Storage forwarding
- **LED light**
- power,ports,sys
- **Enviroment parameters**
- Work temperature：-10 - to 50℃
- Storage temperature：-40 - 85℃
- Work humidity：10% to 90%
- Storage humidity：10% to 95%

- **Jumbo Frame**
- 12Kbytes
- **MAC table size**
- 32K
- **Flash size**
- 32MB
- **DDR3 size**
- 512MB
- **Power**
- AC100-240V/50-60Hz
- **Power consumption**
- Full load <= 46W
- **Dimention（W*D*Hmm）**
- 440*280*44mm
- **Weight**
- Product Weight: 3.87KG
- Packing Weight: 4.70KG
- **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
- SupportAccess、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
- SupportAAA (Authentication, Authorization, Accounting), Support RADIUS protocal,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 protocal
- 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