8/16/24 PORTS L2 Managed Switch

- Dedicated Chip
- Layer2 Switching
- 140W/300/390W total PoE budget
- Centralized cloud management

Brief Views

CS3084XX/CS3164XX/CS3244XX is a full Gigabit Layer 2 Managed Ethernet Switch. It provides 8/16/24 Gigabit PoE ports and 4 SFP ports, which can meet the requirements of cost-effective Gigabit access 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、QoS、STP/RSTP/MSTP、LACP、ACL etc, 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.

CS3224GSP

Functional Feature

- Comply to IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z、IEEE802.1Q、IEEE802.1ad、IEEE802.3ad、IEEE802.1d/1w/1s.
- 8&16&24*10/100/1000M RJ45 adaptive ports，support Auto MDI/MDIX.
- 4*1000M SFP ports.
- Support IEEE802.3af/at.
- Support abundant L2 features such as VLAN,LACP,QoS,ACL.
- Support AAA authentication, support Radius,TACACS+ authentication.
- Support IGMP V1/V2/V3 Snooping.
- Support DHCP V4/V6 Snooping.
- Support CLI/SNMP/WEB UI/CMS Management.
- Embeded power,1U metal shell,standard rack structure.

Product Specification

Hardware specification			
Models	CS3084GS	CS3164GS	CS3244GS
Physical Interface	8*10/100/1000M BASE-T 2*GE SFP + 2*GE/2.5GE SFP	16*10/100/1000M BASE-T 4*GE SFP	24*10/100/1000M BASE-T 4*GE SFP
Management port	1* RJ45 Console Port	1* RJ45 Console Port	1* RJ45 Console Port
Fixed power supply	one	one	one
Power Consumption	≤15W	≤24W	≤28W
Fixed fan	NA	one	one
Led light	Each port has 1 Link/Ack indicator Each device has 1 Power indicator Each device has 1 System indicator		
Dimension (W×D×H)mm	360*180*44	440*181*44	440*181*44
Models	CS3084GSP	CS3164GSP	CS3244GSP
Physical Interface	8*10/100/1000M BASE-T 2*GE SFP + 2*GE/2.5GE SFP	16*10/100/1000M BASE-T 4*GE SFP	24*10/100/1000M BASE-T 4*GE SFP
Management port	1* RJ45 Console Port	1* RJ45 Console Port	1* RJ45 Console Port
Fixed power supply	one	one	one
Max PoE Power Consumption	140W	300W	390W
POE standard	IEEE 802.af/at	IEEE 802.af/at	IEEE 802.af/at
Fixed fan	one	one	one
Dimension (W×D×H)mm	380*180*44	440*263.7*44	440*263.7*44
Led light	Each port has 1 Link/Ack indicator Each port has 1 PoE indicator Each device has 1 Power indicator Each device has 1 System indicator		
Working Voltage	AC 100-240V/50-60Hz		
Working temperature	0 - to 50℃		

Storage temperature	-40 - 70℃
Ambient humidity	10% ~90%RH,non-condensing
Storage humidity	5% ~90%RH,non-condensing
Anti-Lightning	Port:6KV,Power:4KV
Anti-Static	8KV

Performance parameter

Models	CS3084GS&CS3084GSP	CS3164GS&CS3164GSP	CS3244GS&CS3244GSP
Buffer	8.4MBit	4.1MBit	4.1MBit
Switch capacity	30Gbps	40Gbps	56Gbps
MAC Address Entry	16k	8k	8k
Throughput(Mpps)	22.3	29.7	41.6
Jumbo Frame	12k	10k	10k
VLAN Entry	4k	4k	4k
QinQ	Yes		
LACP Group	8	8	8
LACP Member in Group	8	8	8
MSTP Instance	64	8	8
L2 Multicast Entry	512	512	512
Queue/port	8	8	8

Software specification

Port	Basic Port Configuration	Auto MDI/MDIX, Port Speed, Port Duplex, Port MTU(Jumbo Frame), Portisolation
	MAC Address Management	MAC Address Aging Time, MAC Address Learning ON|OFF, MAC Address Learning Limitation, Static MAC Address, MAC Address Filter
	Storm Control	Storm-control for BUM, Shutdown-control for BUM
VLAN	VLAN Management	VLAN, VLAN PVID, VLAN Trunk, VLAN Hybrid, Basic QinQ, Selective QinQ, 802.1ad, VLAN Mapping,VLAN Interface
Ring Protection	Spanning Tree Protocols	STP/RSTP/MSTP, BPDU Guard, BPDU Filter, Flap Guard, Loop Guard
Link Aggregation	LACP Configuration	LACP Link Aggregation, LACP Port Priority, LACP Load Balance
Error Handling	Error-disable Configuration	Error-disable Based on BPDU-guard | Loopback-detect | Port Security, Errordisable Recovery
Fault Detection	Fault Detection Features	Loop-back Detection
IP Services	IP Protocol	ARP, DNS Client, SNTP Client, ICMP, IPv6, IPv6 ND/SLAAC
	DHCP Service	DHCP Client, DHCP Snooping, DHCP Snooping Option82
Multicast Protocols	L2 Multicast Protocols	IGMPv1/v2/v3 Snooping, Fast Leave, IGMP Snooping Querier, IGMP Filter, Static Group
QoS	Flow Classification	802.1P Priority, DSCP Priority
	Rate Limit	Rate Limit, Port-based Bandwidth
	Scheduling Algorithm	SP, WRR,SP+WRR

Security	Port Security	Rule Based On IP/MAC/MAX,Violation(Protect/Restrict/Shutdown), Recovery
	Access Control List	Standard IP ACL, Extended IP ACL, Standard MAC ACL, Extended MAC ACL, Standard Hybrid ACL, Extended Hybrid ACL, Standard IPv6 ACL, Extended IPv6 ACL
	AAA	Radius, TACACS+
Configuration And Maintenance	Monitoring and Diagnostics	1:1 SPAN, Ping, Tracert, DDM
	Device Management	SNMP v1/v2/v3, SNMP Trap, RMON, SYSLOG , LLDP, WEB(HTTP), Console, Telnet, SSH, Cloud, System Upgrade (WEB), Configuration Management (Backup/Restore), Factory Reset, Password Reset

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