



Carrier-Class Security Switch

S5100 Gigabit Series Carrier-Class Security Switch



Product Overview

- S5100 series are designed for Carrier-Grade GE Access and Aggregation all L2 Full-Gigabit Switches, they cover to all kinds of Enterprise Customer.

- It provides 24/28 x 10/100/1000Base-T or 1000Base-X SFP for the demand of cost-effective Gigabit Access / Aggregation. S5100 adopts high performance processor to provide full speed forwarding and line-dormant capacity to coordinate with NGGN Unified Software. It supports strong ACL and IP+MAC+Ports binding etc.

Product Highlight

 S5100-24TC	22 x 10/100/1000Base-T RJ-45 2 x Combo GE(100/1000Base-X SFP or 100/1000Base-T) 16K Jumbo, 8K MAC, 4K VLAN 256ACL with IP+MAC+Port+VLAN Binding - Full-Loaded Power-Consumption< 40W - WEB/SNMP/Telnet Network Management - Support AC220 and DC-48V 440mm(W) x 280mm(D) x 44mm(H)
 S5100-28SC	20 x 1000Base-X SFP 8 x Combo GE(100/1000Base-X SFP or 100/1000Base-T) 10K Jumbo, 8K MAC, 4K VLAN 128ACL with IP+MAC+Port+VLAN Binding - Full-Loaded Power-Consumption< 45W - WEB/SNMP/Telnet Network Management - Support AC220 and DC-48V 440mm(W) x 280mm(D) x 44mm(H)
 S5110-28TC	24 x 10/100/1000Base-T RJ-45 4 x Combo GE(100/1000Base-X SFP or 100/1000Base-T) 9K Jumbo, 8K MAC, 4K VLAN 500ACL with IP+MAC+Port+VLAN Binding - Full-Loaded Power-Consumption< 24W - WEB/SNMP/Telnet Network Management - Support AC220 440mm(W) x 280mm(D) x 44mm(H)



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Product Specifications

Model	S5100-24TC	S5100-28SC	S5110-28TC
Switching Capacity	48Gbps	56Gbps	48Gbps
Forwarding Rate	35.7Mpps	41.7Mpps	41.7Mpps
10/100/1000Base-T RJ-45 Port	24	8	28
1000Base-X SFP Port	2	24	4
Gigabit Combo Port (RJ-45 / SFP)	2	8	4
SDRAM Memory	64MB SDRAM	64MB SDRAM	128MB SDRAM
Flash Memory	8MB Flash	4MB Flash	16MB Flash
Power Consumption	Full-loaded ≤40W Idle ≤22W	Full-loaded ≤45W Idle ≤25W	Full-loaded ≤24W Idle ≤10W
Dimensions (W x D x H mm)	440 × 220 × 44	440 × 280 × 44	440 × 230 × 44
Weight (Full-loaded)	≤5kg	≤5kg	≤5kg
Power	Input AC : 90 ~ 260V, 50 ~ 60Hz		
Environmental Requirements	Operating Temperature : -15°C ~ 55°C Storage Temperature : -40°C ~ 70°C Relative Humidity : 10% ~ 90%, Non-Condensing		



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Product Features

L2 Features	MAC	8K MAC address • MAC Black Hole • Port MAC Limit
	VLAN	4K VLAN Entries • Port based Q-in-Q PVLAN to Realize Port Isolation and Saving Public-VLAN Resources GVRP
	Spanning Tree	STP/RSTP/MSTP • Remote-Loop-Detect
	Port	Bidirectional bandwidth control, Configure entry/exit and the smallest 64K control particle Static and LACP • Port-Mirroring of 1:1 or N:1
Security Features	User's Security	ARP Anti-Flooding, Configure ARP traffic safety threshold and inhibition ARP packet. ARP Anti-Spoofing, Configure ARP inner and outer MAC check and static ARP checklist and drop/flood action • IP+MAC+port+VLAN Binding Manually • IEEE 802.1x and AAA/Radius Authentication Port Isolation, Configure hardware isolation of each port Bind MAC address to port and MAC address filtration on port
	Network Security	One button binding based on dynamic ARP Table Manual binding parameter of IP,VLAN ID,MAC and port etc.. L2-L4 ACL Flow Filtration • Auto-shutdown port in storm Update user's location through DHCP Option 82 and PPPoE+
	Device Security	Anti-DOS Attack • SSHv2 Secure Shell • SNMP v3 Encryption Telnet Based on Security IP • Prevent Unauthorized User
Service Features	ACL	Activate standard and extended ACL • Time Range ACL Strategy Flow Classification based on SMAC,DMAC,VLAN,SIP,DIP,IP(IPv4/IPv6), TCP/UDP Port num and Protocol type etc.. • Packet Filtration of L2~L7 IP Header with 80bytes
	QoS	Rate-Limit to packet sending/receiving speed of port or self-defined flow and provide general flow monitor and two-speed tri-color monitor of self-defined flow. Packet mirror and redirection of interface and self-defined flow Supports Priority remark to port or self-defined flow and provide 802.1P, DSCP Priority and Remark. Super queue scheduler based on port and self-defined flow. Each port/ flow supports 8 priority queues and scheduler of SP, WRR and SP+WRR
	Multicast	IGMPv1/v2/v3 Snooping • IGMP Filter • IGMP Fast Leave • IGMP Proxy MVR Multicast VLAN Register and Cross VLAN Multicast Replication
Reliability	Loop Protection	EAPS and GERP Loopback-Detection
	Link Protection	FlexLink • RSTP/MSTP • LACP
	Device Protection	Backup of Host Program and Configuration Files
Maintenance	Network Maintenance	Port Real-time, Utilization and Transmit/Receive statistic based on CLI • 802.3ah Ethernet OAM • Syslog and RFC 3164 BSD Syslog Protocol • Ping and Traceroute
	Device Management	CLI, Console Port, Telnet and WEB Management • SNMP v1/v2/v3 • RMON (Remote Monitoring) 1,2,3,9 MIB • NTP • GN.Link II Server • NGBN View Network Management

Order Information

Model Number	Product Description
S5100-24TC	GCom S5100-24TC, 22 x 10/100/1000Base-T, 2 x Gigabit Combo Port (Provide AC 220V or DC-48V)
S5100-28SC	GCom S5100-28SC, 20 x 1000Base-X SFP, 8 x Gigabit Combo Port (Provide AC 220V or DC-48V)
S5110-28TC	GCom S5110-28TC, 24 x 10/100/1000Base-T, 4 x Gigabit Combo Port (AC 220V)

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