

S5110 POE Carrier-Class Switch

S5110 POE switch is developed by GCOM as a new generation carrier access Ethernet POE devices, meeting customers' demand on cost-effective gigabit access. Targeting various application scenarios (such as WLAN, WIFI, FTTH, security and protection monitoring), S5110 POE adopts simple and convenient installation and maintenance so as to help customers to ease the pressure on network planning, construction and maintenance. This series not only satisfy IEEE standard of 802.3af and 802.3at, but also are compatible with the powered devices which do not meet the IEEE standard of 802.3af and 802.3at. The maximum power consumption of each port is 32W and the whole power consumption can reach 400W.

S5110-10PC



- 8 * 10/100/1000BaseT, support POE
- 2* 100M/ 1000M SFP
- 18K MAC address,
- meet 802.3af standard and 802.3atstandard
- the maximum power supply of single port is 30W
- POE power supply is 150W for the maximum
- 330mm *230mm *44mm

S5110-12PC



- 8 * 10/100/1000BaseT, support POE
- 4 * 100M/ 1000M SFP
- 8K MAC address
- meet 802.3af standard and 802.3atstandard
- the maximum power supply of single port is 30W
- POE power supply is 150W for the maximum
- 330mm *230mm *44mm

S5110-28PC



- 24 * 10/100/1000BaseT, support POE
- 4 * 100M/ 1000M SFP
- 8K MAC address
- meet 802.3af standard and 802.3at standard
- the maximum power supply of single port is 32W
- POE power supply is 400W for the maximum
- 440mm * 330mm * 44mm

Product Specification

Item	S5110-10PC	S5110-12PC	S5110-28PC
Port Capacity	20Gbps	24Gbps	56Gbps
Forwarding Capacity	14.9Mpps	17.9Mpps	41.7Mpps
Memory and Storage	128MB DDR and 8MB FLASH		
POE Feature	meet 802.3af and 802.3at; maximum power consumption of each port is 32W		
Power Consumption	Full-load consumption≤15W Idle-power consumption≤8W	Full-load consumption≤28W Idle-power consumption≤12W	Full-load consumption≤30W Idle-power consumption≤20W
Dimensions (Width x Depth x Height)	330*230*44mm	330*230*44mm	440*330*44mm
Weight (Full-Loaded)	≤2.5kg	≤4.5KG	≤5KG
Anti-thunder	service port anti-thunder 4KV		
Environmental Requirements	Working temperature: -10°C~50°C Storage temperature: -40°C~70°C Relative humidity: 10%~90%, non-condensing		

Product Feature:

Item		S5110-10PC/20PC/28PC
L2 Features	MAC	8K MAC MAC Black Hole Port MAC Limit

	VLAN	4K VLAN entries QinQ PVLAN to realize port isolation and saving public-vlan resources GVRP
	Spanning Tree	STP/RSTP/MSTP Remote loop detecting
	Port	Bi-directional bandwidth control Static link aggregation and LACP(Link Aggregation Control Protocol) Port mirroring
Security Features	User's Security	Anti-ARP-spoofing Anti-ARP-flooding IP Source Guard create IP+VLAN+MAC+Port binding Port Isolation MAC address binding to the port and MAC address filtering IEEE 802.1x and AAA/Radius authentication
	Device Security	Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP detection, worm and Msblaster worm attack SSHv2 Secure Shell SNMP v3 encrypted management Security IP login through Telnet Hierarchical management and password protection of users
	Network Maintenance	Dynamic ARP table-based binding IP+VLAN+MAC+Port binding L2 to L7 ACL flow filtration mechanism on the 80 bytes of the head of user-defined packet Port-based broadcast/multicast suppression and auto-shutdown risk port DHCP Option82 and PPPoE+ upload user's physical location
Service Features	ACL	270 standard and extended ACLs Time Range ACL Flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP(IPv4/IPv6) address, TCP/UDP port number, protocol type, etc packet filtration of L2~L7 deep to 80 bytes of IP packet head
	QoS	Rate-limit to packet sending/receiving speed of port or self-defined flow Packet mirror and redirection of interface and self-defined flow Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark Super queue scheduler based on port or self-defined flow. Each port flow supports 8 priority queues and scheduler of SP, WRR, SP+WRR, etc.

	Multicast	IGMPv1/v2/v3 Snooping IGMP Filter MVR and cross VLAN multicast copy IGMP Fast leave IGMP Proxy
Reliability	Loop Protection	EAPS\ERPS\PVST and GERP (recover-time <50ms) Loopback-detection
	Link Protection	FlexLink (recover-time <50ms) RSTP/MSTP (recover-time <1s) LACP (recover-time <10ms)
	Device Protection	Double fault-tolerant backup of host program and configuration files
Maintenance	Network Maintenance	Port real-time, utilization and transmit/receive statistic based on Telnet LLDP 802.3ah Ethernet OAM RFC 3164 BSD syslog Protocol Ping and Traceroute
	Device Management	CLI, Console port, Telnet and WEB management SNMPv1/v2/v3 RMON (Remote Monitoring)1,2,3,9 groups MIB NTP GN.Link II Server NGBNView

Purchase Information:

Product name	Product description
S5110-10PC	POE version, 8*10/100/1000BaseT, 2*1000Base-X SFP (100~240V AC)
S5110-12PC	POE version, 8*10/100/1000BaseT, 4*1000Base-X SFP (100~240V AC)
S5110-28PC	POE version, 24*10/100/1000BaseT, 4* 1000Base-X SFP (100~240V AC)