

S2600 POE Series Carrier-Class Access Switch



Product Overview:

S2600 POE series Ethernet switches are developed by GCOM as a new generation carrier access Ethernet POE devices. These series not only provide high bandwidth transmitting , but also provide remote power supply based on IP terminal devices S2600 POE switches satisfy IEEE standard of 802.3af and 802.3at. The maximum power consumption of each port is 32W, the whole power consumption can reach 400W.

S2600-09/10PC



- 8*10/100Base-T with POE power supply
- 1/2*ComboGE+ (100/1000M BaseX SFP or 100/1000M BaseT)
- 10K Jumbo, 16K MAC address, 4K VLAN, QinQ
- 460 ACL with controlling depth of L4
- Full-loaded power-consumption is lower than 14W (without POE supply)
- POE supply satisfy 802.3af and 802.3at
- Max power consumption supply of single port is 40 W

S2600-20PC



- 16*10/100Base-T with POE power supply
- 2*ComboGE+(100/1000M BaseX SFP or 100/1000M BaseT)
- 2*100/1000BaseX SFP
- 10K Jumbo,16K MAC address,4K VLAN, QinQ
- 460 ACL with controlling depth of L4
- Full-loaded power-consumption is lower than

S2600-28PC



15W (without POE supply)

- POE supply satisfy 802.3af and 802.3at
- Max power consumption supply of single port is 32W

- 24*10/100Base-T with POE power supply
- 2*ComboGE+(100/1000M BaseX SFP or 100/1000M BaseT)
- 2*1000BaseX SFP
- 10K Jumbo, 16K MAC address, 4K VLAN, QinQ
- 460 ACL with controlling depth of L4
- Full-loaded power-consumption is lower than 37W (without POE supply)
- POE supply satisfy 802.3af and 802.3at
- Max power consumption supply of single port is 32W

PSE-01



- 1*10/100BaseT FE (WAN, uplink connect)
- 1*10/100BaseT FE (LAN, down link connect)
- 1*220V input power supply interface
- Support IEEE 802.3af standard, provide power to standard PD device
- Max power consumption supply of single port is 25W

Product Specifications:

Item	2600-09PC	2600-10PC	2600-20PC	2600-28PC
Backplane capacity	18Gbps	18Gbps	40Gbps	40Gbps
Interface switching capacity	3.6Gbps	3.6Gbps	7.2Gbps	12.8Gbps
Forwarding capacity	2.7Mpps	2.7Mpps	8.3Mpps	9.6Mpps
Port	8*10/100Base-T,1* ComboGE(100/1000Base-X SFP or 10/100/1000Base-T)	8*10/100Base-T,2* ComboGE(100/1000Base-X SFP or 10/100/1000Base-T)	16*10/100Base-T, 2*ComboGE(100/1000Base-X SFP or 10/100/1000Base-T),2*1000Base-X SFP	24*10/100Base-T, 2*ComboGE(100/1000Base-X SFP or 10/100/1000Base-T),2*1000Base-X SFP
Power consumption	Full-loaded≤14W (without POE) Idle≤8W	Full-loaded≤14W (without POE) Idle≤8W	Full-loaded≤15W (without POE) Idle≤10W	Full-loaded≤37W (without POE) Idle≤18W
Dimensions (width x depth x height)	330mm×220mm×44mm	330mm×220mm×44mm	438mm×420mm×44mm	438mm×420mm×44mm

height))				
Weight (Full-loaded)	≤2.5kg	≤2.5kg	≤4.5kg	≤6kg
Power	Input AC : 90~264V, 47~63Hz			
PoE Power supply	127W	127W	400W	400W
POE features	8/16/24*Base-T support POE, use data cable 1,2,3,6 to supply power, satisfy for 802.3at Alternative A. Satisfy 802.3af standard and 802.3at standard, max power consumption of single port is 32/40W. S2600-05PC provides full-loaded 4 ports 802.3af (15.4W) or 4 ports 802.at (26W) to supply power S2600-09/10PC provides full-loaded 8 ports 802.3af (15.4W) or 4 ports 802.at (26W) to supply power S2600-20PC provides full-loaded 16 ports 802.3af (15.4W) or 15 ports 802.at (26W) to supply power S2600-28PC provides full-loaded 24 ports 802.3af (15.4W) or 15 ports 802.at (26W) to supply power			
Environmental requirements	Operating Temperature: -15°C~55°C Storage Temperature: -40°C~70°C Relative humidity: 10%~90%, non-condensing			

Business Features:

Item		S2600-09PC/10PC/20PC/28PC
L2 features	MAC	16K MAC address Aging time and add/remove static MAC by manual MAC Black Hole Port MAC Limit Disable MAC address learning on port or channel-group MAC filtration
	VLAN	4K VLAN entries. Port-based and protocol-based MAC VLAN QinQ
	Port	Bidirectional bandwidth control, configure entry/exit and the smallest 64K control particle Storm-control on port, configure broadcast/multicast/unknown unicast Static and LACP, configure 30 groups and 8 members port each group Port- mirroring of 1:1 or N:1 and remote port-mirroring

	Ring	STP/RSTP/MSTP Remote-loop-detect
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 Source Guard, auto-create IP+MAC+port+VLAN binding table IEEE 802.1x and AAA/Radius authentication
		IP+MAC+port+VLAN binding manually Port Isolation, configure hardware isolation of each port Bind MAC address to port and MAC address filtration on port
	Network security	User-based ARP abnormal traffic filtration Auto-shutdown port in storm Update user's location through DHCP Option82 and PPPoE+
		Port-based broadcast/multicast/unknown unicast suppression L2-L4 ACL flow filtration
	Device security	Anti-DOS attack SSHv2 Secure Shell SNMP v3 encryption Telnet based on Security IP Prevent unauthorized user
Service features	ACL	Activate 460 standard and extended ACL at the same time Port/VLAN/global-based ACL and Time Range-based ACL strategy CAR and ACL in the dynamic AAA
	QoS	8 queues with different priorities on each interface Flow classification based on SMAC、DMAC、VLAN、SIP、DIP、IP protocol, port number and CoS Traffic priority definition and packet re-direction
	Multicast	1K L2 multicast groups IGMPv1/v2/v3 Snooping IGMP Filter/Fast leave/cross-VLAN duplication MLDv2/MLDv2 Snooping
Reliability	Loop protection	EAPS and GERP Loopback-detection
	Link protection	FlexLink RSTP/MSTP LACP
Maintenance	Network maintenance	Port real-time, utilization and transmit/receive statistic based on CLI LLDP 802.3ah Ethernet OAM Syslog and 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 MIB SNTp GN.Link II Server NGBNView network management
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Purchase Information:

Product name	Product description
S2600-09PC-SI/EI	POE SI/EI,8*10/100BaseT, 1*ComboGE+(100/1000BaseX SFP or 10/100/1000BaseT),AC 220V
S2600-10PC-SI/EI	POE SI/EI,8*10/100BaseT, 2*ComboGE+(100/1000BaseX SFP or 10/100/1000BaseT),AC 220V
S2600-20PC-SI/EI	POE SI/EI,16*10/100BaseT, 2*ComboGE+(100/1000BaseX SFP or 10/100/1000BaseT),2*100/1000BaseX SFP,AC 220V
S2600-28PC-SI/EI	POE SI/EI,24*10/100BaseT, 2*ComboGE+(100/1000BaseX SFP or 10/100/1000BaseT),2*100/1000BaseX SFP,AC 220V
PSE-01	Single port POE power supply module, 2*10/100BaseT, AC 220V input, DC -48V output