

SG2024GPoE



Product Specifications

Physical Specification	Description		
Performance	• Switching Capacity: 48.0Gbps	• Throughput: 35.7Mpps	• MAC Capacity: 32K
Hardware	• Flash Memory: 64MB	• DRAM: 256MB	
Interface	• 24-Port 10/100/1000Base-T	• 4-Port Combo 1000Base-X (SFP)	• 1-Port Console (With RJ-45)
Power	• Input: AC 100~240VAC, 50/60Hz	• Power Consumption: 74.7W	• Redundant Power Support
PoE	• IEEE 802.3af Support	• Support 24-Port 10/100/1000Base-T	• PSE Pin-out: Alternative A
	• Max PoE Power Budget: 740W	• Max output power per port: 15.4W simultaneously on 24 ports	
Environmental	• Operating Temperature: 0~40°C	• Storage Temperature: -20~70°C	
	• Operating Humidity: 0~85% (Non-Condensing)		
Mechanical	• Dimension: 440(W) x 44(H) x 428(D)mm		
	• Weight: 6.8kg (Single Power), 8.6kg (Dual Power)		
Features	Description		
VLAN	• 4K VLAN ID	• 802.1q Port based VLAN	• Shared VLAN
	• Hybrid VLAN	• Voice VLAN	• 802.1ad VLAN Stacking (QinQ)
	• Protocol/IP Subnet/MAC based VLAN		
Resiliency	• 802.1d/w/s	• PVSTP+	• SPR (Smart Port Redundancy)
	• ERP (Ethernet Ring Protection)	• Self Loop Protection	• UDLD
QoS	• 8 queue per port	• Rate Limit (Ingress/Egress)	• Diffserv
	• Auto QoS	• SP/WRR/DRR	• IPv6 QoS
L3 Feature (License)	• Static Routing	• RIPv1/v2, OSPF, BGP	• RIPng, OSPFv3, BGP4+
	• ECMP	• VRRP	• PIM-SM/SSM
	• IPv4/IPv6 Dual Stack	• 6 to 4 Tunneling and ISATAP	
Security	• 802.1x	- MAC Bypass	- Guest VLAN
	- Multiuser	- RADIUS	- TACACS+
	• AAA	- Time Base ACL	- Ingress/Egress ACL
	- Local	- CPU ACL	
	• ACL	• DHCP Snooping	• Storm Control
	- L2/L3/L4 ACL	• Port Security	
	- VLAN ACL		
	• DHCP Snooping	• IP Source Guard	
	• Port Security		
Advanced Security	Attack List which SG Series switch can detect/block		
	• DoS Attack	• IP Spoofing Attack	• Host Scan Attack
	• ARP Attack	• Port Scan Attack	• Broadcast Attack
	• IGMP Attack	• Mac Flooding Attack	• Host Random Flooding Attack
	• ARP Spoofing Attack		
Management	• LLDP/LLDP-MED	• RMON (Group 1,2,3,9)	• Local/Remote Syslog
	• IPv4/IPv6 Telnet/SSH	• IPv4/IPv6 SNMP (v1/v2c/v3)	• IPv4/IPv6 NTP/SNTP
	• IPv4/IPv6 sFlow	• Multi OS Support	• DHCP Server/Relay
	• NMS (Visual Node Manager)	• Power Saving	