

# SG2148GX



## Product Specifications

Physical Specification	Description		
Performance	• Switching Capacity: 288.0Gbps	• Throughput: 101.2Mpps	• MAC Capacity: 32K
Hardware	• Flash Memory: 64MB	• DRAM: 512MB	
Interface	• 48-Port 10/100/1000Base-T	• 2-Port Combo 1000Base-X (SFP)	• 2-Port 10GBase (SFP+)
	• 1-Port Console (With RJ-45)	• 1-Port 10/100Base-TX Management	• 1-Port USB Port
Power	• Input: AC 100~240VAC, 50/60Hz	• Power Consumption: 88.7W	• Redundant Power Support
Environmental	• Operating Temperature: 0~40℃	• Storage Temperature: -20~70℃	
	• Operating Humidity: 0~85% (Non-Condensing)		
Mechanical	• Dimension: 440(W) x 44(H) x 360(D)mm		
	• Weight: 5.1kg (Single Power), 5.6kg (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	• RIPvng, OSPFv3, BGP4+
	• ECMP	• VRRP	• PIM-SM/SSM
	• IPv4/IPv6 Dual Stack	• 6 to 4 Tunneling and ISATAP	
Security	• 802.1x		
	- Multiuser	- MAC Bypass	- Guest VLAN
	• AAA		
	- Local	- RADIUS	- TACACS+
	• IPv4/IPv6 ACL		
	- L2/L3/L4 ACL	- Time Base ACL	- Ingress/Egress ACL
	- VLAN ACL	- CPU ACL	
	• DHCP Snooping	• DHCP/NetBIOS Filtering	• Storm Control
	• Port Security	• IP Source Guard	
Advanced Security	IPv4/IPv6 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	• DAD Attack	• MLD 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	• 802.3az EEE	• DHCP Server/Relay
	• NMS (Visual Node Manager)	• Power Saving	• Multi OS Support