

# SG2148



## Product Specifications

Physical Specification	Description		
Performance	• Switching Capacity: 57.6Gbps	• Throughput: 26.2Mpps	• MAC Capacity: 16K
Hardware	• Flash Memory: 64MB	• DRAM: 512MB	
Interface	• 48-Port 10/100Base-TX • 1-Port Console (With RJ-45)	• 2-Port 10/100/1000Base-T • 1-Port 10/100Base-TX Management	• 2-Port 1000Base-X (SFP) • 1-Port USB Port
Power	• Input: AC 100~240VAC, 50/60Hz	• Power Consumption: 41.2W	• Redundant Power Support
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 350(D)mm • Weight: 4.4kg (Single Power), 4.7kg (Dual Power)		
Features	Description		
VLAN	• 4K VLAN ID • Hybrid VLAN • Protocol/IP Subnet/MAC based VLAN	• 802.1q Port based VLAN • Voice VLAN	• Shared VLAN • 802.1ad VLAN Stacking (QinQ)
Resiliency	• 802.1d/w/s • ERP (Ethernet Ring Protection)	• PVSTP+ • Self Loop Protection	• SPR (Smart Port Redundancy) • UDLD
QoS	• 8 queue per port • Auto QoS	• Rate Limit (Ingress/Egress) • SP/WRR/DRR	• Diffserv • IPv6 QoS
L3 Feature (License)	• Static Routing • ECMP • IPv4/IPv6 Dual Stack	• RIPv1/v2, OSPF, BGP • VRRP • 6 to 4 Tunneling and ISATAP	• RIPng, OSPFv3, BGP4+ • PIM-SM/SSM
Security	• 802.1x - Multiuser • AAA - Local • IPv4/IPv6 ACL - L2/L3/L4 ACL - CPU ACL • DHCP Snooping • Port Security	- MAC Bypass  - RADIUS  - Time Base ACL  • DHCP/NetBIOS Filtering • IP Source Guard	- Guest VLAN  - TACACS+  - VLAN ACL  • Storm Control
Advanced Security	IPv4/IPv6 Attack List which SG Series switch can detect/block • DoS Attack • ARP Attack • IGMP Attack • ARP Spoofing Attack		
Management	• LLDP/LLDP-MED • IPv4/IPv6 Telnet/SSH • IPv4/IPv6 sFlow • NMS (Visual Node Manager)	• IP Spoofing Attack • Port Scan Attack • Mac Flooding Attack • DAD Attack • RMON (Group 1,2,3,9) • IPv4/IPv6 SNMP (v1/v2c/v3) • 802.3az EEE • Power Saving	• Host Scan Attack • Broadcast Attack • Host Random Flooding Attack • MLD Attack • Local/Remote Syslog • IPv4/IPv6 NTP/SNTP • DHCP Server/Relay • Multi OS Support