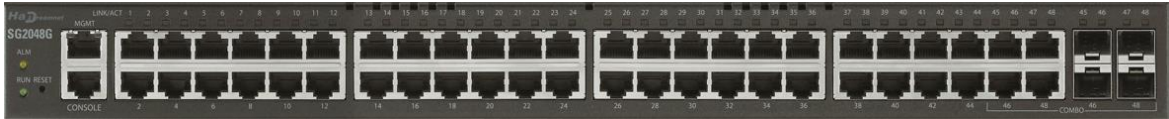


# SG2048G



## Product Specifications

Physical Specification	Description
<b>Performance</b>	<ul style="list-style-type: none"> <li>Switching Capacity: 192.0Gbps</li> <li>Throughput: 71.4Mpps</li> <li>MAC Capacity: 32K</li> </ul>
<b>Hardware</b>	<ul style="list-style-type: none"> <li>Flash Memory: 64MB</li> <li>DRAM: 256MB</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>48-Port 10/100/1000Base-T</li> <li>4-Port Combo 1000Base-X (SFP)</li> <li>1-Port Console (With RJ-45)</li> <li>1-Port 10/100Base-TX Management</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>Input: AC 100~240VAC, 50/60Hz</li> <li>Power Consumption: 98.8W</li> <li>Redundant Power Support</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 0~40°C</li> <li>Storage Temperature: -20~70°C</li> <li>Operating Humidity: 0~85% (Non-Condensing)</li> </ul>
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>Dimension: 440(W) x 44(H) x 350(D)mm</li> <li>Weight: 4.8kg (Single Power), 5.5kg (Dual Power)</li> </ul>

Features	Description
<b>VLAN</b>	<ul style="list-style-type: none"> <li>4K VLAN ID</li> <li>802.1q Port based VLAN</li> <li>Shared VLAN</li> <li>Hybrid VLAN</li> <li>Voice VLAN</li> <li>802.1ad VLAN Stacking (QinQ)</li> <li>Protocol/IP Subnet/MAC based VLAN</li> </ul>
<b>Resiliency</b>	<ul style="list-style-type: none"> <li>802.1d/w/s</li> <li>PVSTP+</li> <li>SPR (Smart Port Redundancy)</li> <li>ERP (Ethernet Ring Protection)</li> <li>Self Loop Protection</li> <li>UDLD</li> </ul>
<b>QoS</b>	<ul style="list-style-type: none"> <li>8 queue per port</li> <li>Rate Limit (Ingress/Egress)</li> <li>Diffserv</li> <li>Auto QoS</li> <li>SP/WRR/DRR</li> <li>IPv6 QoS</li> </ul>
<b>L3 Feature (License)</b>	<ul style="list-style-type: none"> <li>Static Routing</li> <li>RIPv1/v2, OSPF, BGP</li> <li>PIM-SM/SSM</li> <li>ECMP</li> <li>VRRP</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>802.1x</li> <li>MAC Bypass</li> <li>Guest VLAN</li> <li>- Multiuser</li> <li>- RADIUS</li> <li>- TACACS+</li> <li>AAA</li> <li>ACL</li> <li>- L2/L3/L4 ACL</li> <li>- Time Base ACL</li> <li>- Ingress/Egress ACL</li> <li>- VLAN ACL</li> <li>- CPU ACL</li> <li>DHCP Snooping</li> <li>DHCP/NetBIOS Filtering</li> <li>Storm Control</li> <li>Port Security</li> <li>IP Source Guard</li> </ul>
<b>Advanced Security</b>	<ul style="list-style-type: none"> <li>Attack List which SG Series switch can detect/block</li> <li>DoS Attack</li> <li>IP Spoofing Attack</li> <li>Host Scan Attack</li> <li>ARP Attack</li> <li>Port Scan Attack</li> <li>Broadcast Attack</li> <li>IGMP Attack</li> <li>Mac Flooding Attack</li> <li>Host Random Flooding Attack</li> <li>ARP Spoofing Attack</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>LLDP/LLDP-MED</li> <li>RMON (Group 1,2,3,9)</li> <li>Local/Remote Syslog</li> <li>IPv4/IPv6 Telnet/SSH</li> <li>IPv4/IPv6 SNMP (v1/v2c/v3)</li> <li>IPv4/IPv6 NTP/SNTP</li> <li>IPv4/IPv6 sFlow</li> <li>Multi OS Support</li> <li>DHCP Server/Relay</li> <li>NMS (Visual Node Manager)</li> <li>Power Saving</li> </ul>