

# SG2124GXF



## Product Specifications

| Physical Specification | Description   |
|------------------------|---|
| <b>Performance</b>     | <ul style="list-style-type: none"> <li>Switching Capacity: 144.0Gbps</li> <li>Throughput: 65.5Mpps</li> <li>MAC Capacity: 32K</li> </ul>  |
| <b>Hardware</b>        | <ul style="list-style-type: none"> <li>Flash Memory: 64MB</li> <li>DRAM: 512MB</li> </ul>   |
| <b>Interface</b>       | <ul style="list-style-type: none"> <li>24-Port 1000Base-X (SFP)</li> <li>12-Port Combo 10/100/1000Base-T</li> <li>2-Port 10GBase (SFP+)</li> <li>1-Port Console (With RJ-45)</li> <li>1-Port 10/100Base-TX Management</li> <li>1-Port USB Port</li> </ul> |
| <b>Power</b>           | <ul style="list-style-type: none"> <li>Input: AC 100~240VAC, 50/60Hz</li> <li>Power Consumption: 66.5W</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), 5.4kg (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>RIPng, OSPFv3, BGP4+</li> <li>ECMP</li> <li>VRRP</li> <li>PIM-SM/SSM</li> <li>IPv4/IPv6 Dual Stack</li> <li>6 to 4 Tunneling and ISATAP</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>Local</li> <li>IPv4/IPv6 ACL</li> <li>Time Base ACL</li> <li>Ingress/Egress ACL</li> <li>L2/L3/L4 ACL</li> <li>CPU ACL</li> <li>VLAN 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>IPv4/IPv6 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> <li>DAD Attack</li> <li>MLD 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>802.3az EEE</li> <li>DHCP Server/Relay</li> <li>NMS (Visual Node Manager)</li> <li>Power Saving</li> <li>Multi OS Support</li> </ul>  |