

SG2048GPoE



Product Specifications

| Physical Specification | Description | | |
|------------------------|-----------------------------------------------------|---------------------------------------------------------------|--------------------------------|
| Performance | • Switching Capacity: 192.0Gbps | • Throughput: 71.4Mpps | • MAC Capacity: 32K |
| Hardware | • Flash Memory: 64MB | • DRAM: 256MB | |
| Interface | • 48-Port 10/100/1000Base-T | • 4-Port Combo 1000Base-X (SFP) | • 1-Port Console (With RJ-45) |
| | • 1-Port 10/100Base-TX Management | | |
| Power | • Input: AC 100~240VAC, 50/60Hz | • Power Consumption: 143.1W | • Redundant Power Support |
| PoE | • IEEE 802.3af Support | • Support 48-Port 10/100/1000Base-T | • PSE Pin-out: Alternative A |
| | • Max PoE Power Budget: 740W | • Max output power per port: 15.4W simultaneously on 48 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: 7.3kg (Single Power), 9.2kg (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 | | |
| | - Multiuser | - MAC Bypass | - Guest VLAN |
| | • AAA | | |
| | - Local | - RADIUS | - TACACS+ |
| | • 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 | 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 | |