



10G Core Chassis SG8700

Product Specifications

| Physical Specification | Description | | |
|------------------------|--|-----------------------------------|------------------------------------|
| Performance | • Switching Capacity: 1 Tbps | • Throughput: 523 Mpps | |
| Hardware | • Flash Memory: 64 MB(internal) | • DRAM: 1 GB | |
| Slots | • 8 slots | | |
| Interface | • 128-Port 10G ports | • 192-Port 10/100/1000Base-T | • 192-Port 1000Base-X (SFP) |
| | • 1-Port Console (RJ-45 Connector) | • 1-Port 10/100Base-TX Management | |
| Power | • Input: AC 100~240VAC, 50/60Hz | • Power Consumption: Variable W | • Redundant Power Support |
| Environmental | • Operating Temperature: 0~45°C | | |
| | • Operating Humidity: 0~85% (Non-Condensing) | | |
| Mechanical | • Dimension : 444(W) x 498.5(H) x 465(D)mm | | |
| Features | Description | | |
| VLAN | • 4K VLAN ID | • 802.1q Port based VLAN | • GVRP |
| | • Private VLAN | • Voice VLAN | • 802.1ad VLAN Stacking (QinQ) |
| | • Protocol/IP Subnet/MAC based VLAN | | |
| Resiliency | • 802.1d/w/s(STP, RSTP, MSTP) | • PVSTP+ | • 802.3ad LACP |
| | • Ring Protocol | • Loop Protection | • UDLD |
| Hot Swap | • Interface Module | • Fabric Module | • Management Module |
| | • Power Supply | • FAN | |
| QoS | • 8 queue per port | • Rate Limit (Ingress/Egress) | • Diffserv |
| | • 802.1P/DSCP/TOS | • SP/WRR/SP+WRR | • Marking/Remarking |
| L3 Feature | • IPv4/IPv6 Static Routing | • RIPv1/v2, OSPF, ISIS, BGP | • RIPng, OSPFv3, ISISv6, BGP4+ |
| | • ECMP | • VRRP | • BFD |
| | • Hardware-based IPv4/v6 Support | • Policy Routing | • MBGP |
| | • IPv4/IPv6 Dual Stack | | |
| Redundancy | • Active-Active Function | • Management Module | • Switching Fabric |
| | • Power Supply | | |
| Security | • 802.1x | - MAC Bypass | - Guest VLAN |
| | - Multiuser | | |
| | - VLAN assignment | | |
| | • CPU Rate Limiting | • DoS Protection | • Malicious traffic detect & block |
| | • Reverse Path Forwarding | • RADIUS/TACACS+ | |
| | • ACL | - Time Base ACL | - Ingress/Egress ACL |
| | - L2/L3/L4 ACL | | |
| | - VLAN ACL | | |
| | • DHCP Snooping | • Dynamic ARP Inspection | • Storm Control |
| | • Port Security | • IP Source Guard | • GRE Tunnel |
| Management | • CLI/Telnet/SSH | • Multi-OS support | • Flow Monitoring |
| | • ICMP/Traceroute/L2 Traceroute | • Port Mirroring/Remote Mirroring | • TDR |
| | • SNMP v1/v2c/v3 | • Standard Syslog | • Logging to Internal Flash |
| | • NMS (Visual Node Manager) | • FTP/TFTP | • Management port/Console |