Summit1

Summit1™ is a member of the Summit family of LAN switches, designed to meet the demanding requirements emerging in your intranet and Internet applications. Summit switches share a common non-blocking switch architecture that provides unparalleled scalability in four areas: speed, bandwidth, network size and quality of service (QoS).

Summit1 comes with eight full-duplex switched Gigabit Ethernet ports that support wire-speed gigabit-to-gigabit switching and routing. Summit1 also has extensive fault-tolerant features, making it ideal for backbone and server farm applications.

Summit1 port density, fault tolerance and performance scale dramatically with the Summit Virtual Chassis,™ a high-speed external backplane that interconnects up to eight stacked or distributed Summit switches into one cohesive system. Connected to a Virtual Chassis SummitLink™ port, Summit switches combine the flexibility and low entry-cost of a stackable with the fault tolerance and high port-density of a modular system.

Each Summit1 is pre-installed with ExtremeWare,™ a standards-based software suite that delivers a major break-through in the ability to manage and control bandwidth on a network. ExtremeWare combines standards with advanced features to deliver Policy-Based QoS that includes bandwidth reservation, IP routing, IP multicast control and VLAN switching. Policy-Based QoS lets network managers prioritize and allocate bandwidth to many different types of network traffic—right down to the TCP session and without performance penalty.

- 17.5 Gbps non-blocking switch fabric bandwidth
- Wire-Speed IP Routing performance at greater than 11.9 million packets per second
- Fully interoperable with routers using standard IP routing protocols
- Full gigabit performance with wire-speed Layer3 and Layer2 switching
- Eight Gigabit Ethernet ports
- Policy-Based QoS, including bandwidth management, prioritization and congestion control
- ExtremeWare with standards-based bandwidth reservation, IP routing, multicast control and VLAN switching
- Fault-tolerant features include multiple load-sharing trunks and multiple spanning trees
- Extensive management through HTML, SNMP, RMON, local and remote CLI (telnet)
- Port density, fault tolerance and performance scale dramatically when deployed as part of the Summit Virtual Chassis
- Ideal for backbone and server farm applications
- Redundant power supply (RPS) support

extreme networks™

Summit1 Product Specifications

General

Six 1000BASE-SX/LX ports
Two GBIC Based 1000BASE-X ports
Multiple spanning tree support
Multiple load-sharing trunks
Up to 32,000 Layer 2 addresses
4 MB buffering

Protocols and Standards

IEEE 802.3z 1000BASE-X
IEEE 802.3x Flow control
RFC 1058 RIP
RFC 1723 RIP v2
RFC 1112 IGMP
DVMRP v3
RFC 2178 OSPF
RFC 1122 Host requirements
IEEE 802.1D-1998 (includes 802.1p)
IEEE 802.1Q VLAN tagging
RFC 1256 Router discovery protocol
RFC 1812 IP router requirement
RFC 783 TFTP
RFC 1542 BootP
RFC 951 BootP
RFC 854 Telnet
RFC 768 UDP
RFC 791 IP
RFC 792 ICMP
RFC 793 TCP
RFC 826 ARP
RFC 2068 HTTP
RFC 2131 BootP/DHCP relay

Performance

17.5 Gbps non-blocking bandwidth
Route/filter/forward over 11.5 million pps

Management and Security

RFC 1157 SNMP v1/v2c
RFC 1213 MIB II
RFC 1354 IP forwarding table MIB
RFC 1850 OSPF 2 MIB
RFC 1493 Bridge MIB
RFC 2037 Entity MIB
RFC 1573 Evolution of Interface
RFC 1643 Ethernet MIB
RFC 1757 Four groups of RMON
RFC 2021 RMON probe configuration
RFC 2239 802.3 MAU MIB
RFC 1724 RIP v2 MIB
ExtremeWare Enterprise MIB
HTML and telnet management

Physical and Environmental

Dimensions:
(H) 3.5 in x (W) 17.32 in x (D) 17.42 in
(H) 8.90 cm x (W) 44.0 cm x (D) 44.25 cm
Weight: 18 lb (8.17 kg)
Operating Temperature: 0º C to 40º C
Storage Temperature: -10º C to 70º C
Humidity: 10% to 95% non-condensing
Power: 90-120/200-240 VAC, 47-63 Hz, 3.0/1.5 A max
Mtbf >50,000 hours Mil HDBK 217F Notice 1
Heat Dissipation: 118W Max, 341.2 BTU/hr max
Includes hardware for mounting in a standard 19-inch rack

Regulatory Compliance

EN55022 Class B
FCC part 15 Class A
ICES-0003 Class A
VCCI Class 2
EN50082-1
EN60068
UL 1950 3rd Edition, listed
cUL listed to CSA 22.2#950
EN60950:1992/A3:1995
TUV GS Mark
CE Mark

Ordering Information

Product	Order Number	Description
Summit1	11001	Six 1000BASE-SX ports, two GBIC-based 1000BASE-SX ports
Summit1-LX	11003	Six 1000BASE-SX ports, two GBIC-based 1000BASE-LX ports
Summit1-LX	11005	Six 1000BASE-LX ports, two unpopulated GBIC-based 1000BASE-X ports
ExtremeWare	10021	Standards-based software suite including Policy-Based QoS

Extreme Networks™ leads the third wave of LAN switching. Recognizing the need to migrate existing LANs to the requirements of today's intranets, Extreme builds on Gigabit Ethernet with its system of Summit switches and ExtremeWare software to scale speed, bandwidth, network size and quality of service (QoS) from the desktop to the backbone.

For more product information from Extreme Networks, write us at info@extremenetworks.com

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