



Summit4

Integrated Server Switching

Summit4™ 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).

Six Gigabit Ethernet ports and 16 10/100 Mbps autosensing Ethernet ports are featured with the Summit4. It delivers the ideal integrated server switching solution with a unique mix of ports that can be load-shared, or trunked, to match network bandwidth with server performance.

Summit4 can integrate server farms seamlessly into the enterprise network with integrated routing. And with ExtremeWare's Policy-Based Quality of Service, Summit4 delivers bandwidth management and control of server traffic (both to and from), regardless of server type or location.

The port density, fault tolerance and performance of Summit4 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 Summit system is pre-installed with ExtremeWare™, a standards-based software suite that delivers a major breakthrough 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, IPX 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/UDP session and without performance penalty.

- 17.5 Gbps non-blocking switch fabric bandwidth
- Wire-Speed IP Routing performance at 11.3 million packets per second
- Fully interoperable with routers using standard IP routing protocols
- Full gigabit and 10/100 Mbps performance with wire-speed switching and routing
- Six Gigabit Ethernet ports, 16 10/100 Mbps Ethernet ports
- Policy-Based QoS, including bandwidth management, prioritization and congestion control
- ExtremeWare with standards-based bandwidth reservation, IP routing, IPX routing, multicast control and VLAN switching
- Fault-tolerant features multiple load-sharing trunks and multiple spanning trees
- Extensive management through HTML, SNMP, RMON, local and remote (telnet) CLI
- Port density, fault tolerance and performance scale dramatically when deployed with the Summit Virtual Chassis
- Ideal for integrating server farms into the enterprise network and meshed backbones
- Optional redundant power supply (RPS) support



Summit 4 Product Specifications

General

16 10/100BASE-TX ports
or 16 100BASE-FX
ports (SC connectors)
Six 1000BASE-SX ports
Multiple spanning tree support
Multiple load-sharing trunks
Up to 128,000 Layer 2 addresses
Up to 64,000 Layer 3 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
PIM-DM
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
RSVP

Performance

17.5 Gbps non-blocking bandwidth
Route/filter/forward 11.3 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: 0° C to 40° C

Storage Temperature: -10° C to 70° C

Humidity: 10% to 95% non-condensing

Power: 90-250 VAC, 47-63 Hz, 3.0/1.8
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-003 Class A
VCCI Class 2
EN50082-1
EN60068
UL 1950 3rd Edition,
cUL listed to CSA 22.2#950
EN60950:1992/A3:1995
TUV GS Mark
CE Mark

Ordering Information

Product	Order Number	Description
Summit4	14001	Six 1000BASE-SX ports, 16 10/100BASE-TX ports
Summit4	14002	Six 1000BASE-SX ports, 16 100BASE-FX ports with SC connectors

For more product information from Extreme Networks, please call 1-888-257-3000.

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