



Summit 24e3 / e2

The new Summit "e" series switches are available in two versions, the Summit24e3 and the Summit24e2. Both Summit24e switches provide twenty-four Ethernet ports for user connectivity and two Gigabit Ethernet ports for high-speed uplinks to speed traffic to and from the network core. With inherent Quality of Service, line-rate forwarding, and the simplicity of uniform network management, the Summit24e series enables end-to-end Extreme networking on a limited budget.

Summit24e3 - The Summit24e3 is a workgroup switch that brings Layer 3 switching to the edge of the network at an unprecedented low price per port. Made to connect seamlessly with all Extreme Networks switches for end-to-end Quality of Service and line rate forwarding, this is the best choice user access switch for most Enterprise network applications.

Summit24e2 - For network segments that do not need the benefit of Layer 3 switching at the edge, and whose applications do not demand a higher level of redundancy than provided by Spanning Tree Protocol, the Summit24e2 is a Layer 2 switch with a reasonable subset of Extreme features to support this environment. The Summit24e2 enables end-to-end Extreme networking at the most competitive price point yet.

Product Features

Summit24e3 Benefits	Summit24e2 Benefits
Non-blocking 8.8 Gbps backplane yields over 6.6 million packets per second	Non-blocking 8.8 Gbps backplane yields over 6.6 million packets per second
Twenty-four 10/100 Ethernet ports	Twenty-four 10/100 Ethernet ports
Two active unpopulated mini-GBIC ports	Two active Gigabit Ethernet ports in two version options - Two unpopulated standard GBIC ports, or - Two fixed 1000BaseT ports
256 IEEE 802.1Q VLANs	64 IEEE 802.1Q VLANs
IEEE 802.1ad compatible link aggregation	IEEE 802.1ad compatible link aggregation
Wire-Speed IP Routing at Layer 3 with wire-speed Layer 2 switching	Wire-Speed Layer 2 switching
802.1p Quality of Service	802.1p Quality of Service
ExtremeWare™ command line interface (CLI)	Simple menu-based management interface
Extensive management via local and remote (telnet) CLI, SNMP, and RMON	Extensive management via local and remote (telnet) menu, SNMP, and RMON
Extreme Standby Router Protocol (ESRP™) aware for advanced resiliency	

Summit24e3/e2 Product Specifications

General

8.8 Gbps switch fabric
6.6 million packets per second

Protocols and Standards

General Routing

Summit24e3 ONLY

RFC 1812 Router requirements
RFC 1519 CIDR
RFC 1256 IRDP router discovery
RFC 783 TFTP
RFC 1542 BootP
RFC 2131 BootP/DHCP relay
RFC 1122 Host requirements
RFC 768 UDP
RFC 791 IP
RFC 792 ICMP
RFC 793 TCP
RFC 826 ARP
ESRP-Aware, Extreme Standby Router Protocol

RIP

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RFC 1058 (RIP)
RFC 1723 (RIPv2)

IP Multicast

RFC 2236 IGMP v2

Quality of Service

IEEE 802.1D - 1998 (802.1p) packet priority

IEEE General:

IEEE 802.1Q VLAN tagging
IEEE 802.3ad (link aggregation)
IEEE 802.1D Spanning Tree Protocol

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IEEE 802.3z (1000BASE-X)
IEEE 802.3x (flow control, Gigabit only)

Management

RFC 1157 SNMPv1/v2c
RFC 1757 RMON 4 groups: Stats, History, Alarms & Events
RFC 1493 Bridge MIB

RFC 1213 MIB-II
RFC 854 Telnet
RFC 1643 (Ethernet MIB)
Configuration logging

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RFC 2021 RMON2 (probe config)
RFC 2239 (802.3 MAU MIB)
RFC 1354 (IP forwarding table MIB)
RFC 1573 (Interface Evolution)
RFC 1724 RIPv2 MIB
ExtremeWare Enterprise MIB
Telnet Management

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RFC 2233 Interface MIB (receive address group not supported)
RFC 2096 IP Forwarding
RFC 791 IP
RFC 792 ICMP
RFC 768 UDP
RFC 783 TFTP
RFC 826 ARP
RFC 951 BOOTP
RFC 2131 DHCP
Message logging

Security

Denial of Service Protection

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RFC 2267 Network Ingress Filtering
RPF (Unicast Reverse Path Forwarding) control
SYN attack protection
Uni-directional session control
CERT and "rootshell" immunity testing including:
- CERT (<http://www.cert.org>)

CA-97.28.TearDrop_Land - TearDrop and "LAND" attack

IP Options Attack

CA-98-13-tcp-denial-of-service

CA-98.01.smurf

CA-96.26.ping

CA-96.21.tcp_syn_flooding

CA-96.01.UDP_service_denial

CA-95.01.IP_Spoofing_Attacks_and_Hijacked_Terminal_Connections

- Host Attacks (<http://www.rootshell.org/beta/exploits.html>)
Syndrop
Nestea

Latierra
Newtear
Bonk
Winnuke
Simping
Sping
Ascend
Stream
Rape

ICES-003A/C108.8-M1983 Class A (Canada EMC standard)
VCCI Class A (Japan EMC standard)
EN 55022:1998 Class A (European EMC standard)
EN 55024:1998 includes IEC

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AS/NZS 3548 (Australia EMC standard)
CISPR 22 Class A (European EMC standards)
EN 50082-1:1997 includes ENV 50204 (European EMC standards)
61000-4-2, 3, 4, 5, 6, 8, 11 (European EMC standards)
EN 61000-3-2, 3 (European EMC standards)
CNS 13438 Class A (BSMI-Taiwan)
Low Voltage Directive (LVD)

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24e2 - C-tick (AS/NZS 3548)

Marks

GOST (Russian Federation)
NOM/NYCE (Mexican Product Safety Authorities)
BSMI, Republic of Taiwan
CE (European Community)
TUV/GS (German Notified Body)
MIC/RR (Korean Approval Mark)

Summit24e3 ONLY

TUV/Argentine S-Mark
ACN 090 029 066 C-Tick (Australian Communication Authority)
Underwriters Laboratories (USA and Canada)

Environmental

EN60068 to Extreme IEC68 schedule
EN 55022 Class A (European EMC standard)
CISPR 22 Class A (European EMC standard)
EN 50082-1:1997 includes ENV 50204 (European EMC standards)
EN 55024:1998 includes IEC 61000-4-2, 3, 4, 5, 6, 8, 11 (European EMC standards)
EN 61000-3-2, 3 (European EMC standards)
CNS 13438 Class A (BSMI-Taiwan)
Low Voltage Directive (LVD)

Reliability

Minimum 50000hrs MTBF to Mil HDBK 217F Notice 1, Parts Stress Method

Physical Dimensions

(H) 1.7" (1RU), (W) 17.25", (D) 8.32"
(H) 43 mm, (W) 438 mm, (D) 211 mm
Weight 7 lbs (3.2 Kg)
Operating Temperature: 0 ° to 40 ° C
Storage Temperature: -40 ° to 70 °
Operating Humidity: 10% to 95% relative humidity, non-condensing
Power Supply: 75 watt maximum
Heat Dissipation: 253 BTU/hr
AC Line Frequency: 50 Hz to 60 Hz
Input Voltage Operations: 100 - 120 VAC; 200 - 240 VAC, auto-ranging
Current Rating: 100-120VAC: 0.74 A max; 200-240VAC: 0.37 A max

Regulatory

Safety

UL 1950 3rd Edition, Listed (Safety of ITE)
EN60950:1992/A1-4:1997+ZB/ZC Deviations (Safety of ITE)
IEC 950 (CB) Report and Certificate (Safety of ITE)
CSA 22.2#950-95 (Safety of ITE)

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Low Voltage Directive (LVD)
AS/NZS 3260 (Product Safety Standard)
EN60825-1 (Safety of Lasers Products)
FCC CFR 21 (Laser Products)

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CSA 22.2 No 950-95 (Safety of ITE)
AS/NZS 3262 Compliance - IEC 950 with AU deviations

EMI/EMC

FCC CFR 47 part 15 Class A (USA EMC standard)

Ordering Information

Order Number	Description
13201	Summit24e3, twenty-four 10/100 Ethernet ports plus two unpopulated mini-GBIC ports, one AC PSU
13230	Summit24e2, twenty-four 10/100 Ethernet ports plus two unpopulated GBIC ports, one AC PSU
13231	Summit24e2, twenty-four 10/100 Ethernet ports plus two 1000BaseT UTP ports, one AC PSU

For the latest Summit24e product specifications, check out www.extremenetworks.com/products/datasheets/summit24e.asp

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