

## Summit® 200 Series



*Summit 200 series switches deliver the best of both worlds—the benefits of a chassis at the cost of a stackable.*

### Features

- High availability at the edge of the network
- Maximum scalability and ease of management with stacking
- Layer 3 intelligence and security at the edge to protect the network

### Target Applications

- Edge security to protect networks where they are being attacked
- Wire-speed, non-blocking 10/100 connectivity to the desktop
- Network edge deployments with Layer 3 intelligence and routing to increase efficiency of sub-network edge traffic

The Summit 200 series redefines edge switch connectivity by delivering advanced features found in much more expensive Layer 3 switches with the price competitiveness and ease of connectivity of a traditional Layer 2 switch. The most demanding edge customers can now have it all: high-performance, robust security, greatest network availability, true end-to-end manageability and advanced Layer 3 switching services, in a surprisingly compact 1RU package. Based on award-winning ExtremeWare® Layer 3 software from Extreme Networks®, Summit 200 series switches deliver 24- or 48-ports of 10/100 Ethernet with four physical Gigabit Ethernet uplinks (two active and two redundant). Every port delivers a vast array of ExtremeWare Layer 3 and Layer 2 features—everything from Open Shortest Path First (OSPF) routing and advanced Quality of Service (QoS) classification to the latest advancements in security, such as Network Login.

Customers need both Layer 2 and Layer 3 intelligent services at the edge to ensure maximum network efficiency. Summit 200 delivers a comprehensive Layer 2/3 feature set at the edge. Intelligence supports security to prevent unauthorized access, high availability to help ensure network uptime, and common manageability to reduce expenses—the very features that customers require at the edge of the network.

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888.912.3151 general 888.323.3151 tech support 601.399.5060 fax

## High Availability at the Edge of the Network

Redundant copper and fiber gigabit uplinks enable true high availability, as Summit 200 series switches are able to immediately failover to the redundant port thereby leaving the user's application unaffected. The user stays connected to the network and remains productive if a failover occurs.

Summit 200 series switches provide connectivity and productivity with advanced high availability features, such as sub-second failover EAPS (RFC 3619) to deliver sub-second (less than 50 ms recovery) protection switching to switches inter-connected in an Ethernet ring topology. Similar to the Spanning Tree Protocol (STP), EAPS offers the advantage of converging in significantly less time than STP or even Rapid Spanning Tree (802.1w) when a link breaks in the ring.

## Maximum Scalability and Ease of Management with Stacking

Summit 200 series switches and UniStack™ stacking architecture were designed to support converged services. Resiliency is of key importance for these converged applications like video and IP Telephony and is assured by redundant bidirectional ring architecture and n-1 master redundancy, distributed Layer 2 and Layer 3 link aggregation, link redundancy, and distributed uplinks. Summit 200 series switches with UniStack deliver the best of both worlds: the benefits of a chassis at the cost of a stackable in an architecture designed to support today's evolving LAN applications. The resulting network simplification yields lower management and maintenance costs, while enhancing overall availability.

UniStack stacking on Summit 200 series switches offers a better way to contain edge complexity by integrating multiple switches into one manageable entity that simplifies configuration, upgrades and adds and drops.

## Layer 3 Intelligence and Security at the Edge to Protect the Network

Intelligence supports security to prevent unauthorized access, high availability to help ensure network uptime, and common manageability to reduce expenses—the very features that customers require at the edge of the network.

Summit 200 switches support advanced Layer 3 services like RIP, OSPF, Network Address Translation, and Layers 2 – 4 Access Control Lists (ACLs). The Summit 200 also supports Layer 2 services like QoS classification, dynamic VLANs, EAPS, and ACLs. End users now enjoy new services like better security, faster forwarding and routing, and more uptime because Summit 200 series switches support ExtremeWare Layer 2 and Layer 3 services today.

Features	Summit 200
<b>High Availability at the Network Edge</b>	
Dual homed Gigabit Ethernet uplinks	Yes
Dynamically route around network problems	Yes
Redundant uplinks	Yes
Sub-second failover on every port	Yes (EAPS)
<b>Maximum Scalability and Easy Manageability</b>	
10/100 ports per chassis	24/28
Gigabit Ethernet uplinks	2+2 (2 active)
Stacking	Yes
End-to-end management	Yes
Common CLI	Yes
<b>Security</b>	
Network Login	Yes
802.1x	Yes
Web-based Network Login	Yes
SSH2	Yes
ACLs	Yes, Layer 2 - Layer 4
<b>Intelligence at the Edge</b>	
Prioritize using Layer 2 - Layer 4 information	Yes
Change Layer 2 (.1p) tag priority	Yes
OSPF	Yes



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[www.extremenetworks.com](http://www.extremenetworks.com)

email: [info@extremenetworks.com](mailto:info@extremenetworks.com)

**Corporate Headquarters and North America**  
Extreme Networks, Inc.  
3585 Monroe Street,  
Santa Clara, CA 95051 USA  
Phone +1 408 579 2800

**Europe, Middle East, Africa and South America**  
Phone +31 30 800 5100

**Asia Pacific**  
Phone +852 2517 1123

**Japan**  
Phone +81 3 5842 4011

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