

# Summit® X350 Series Switches



*Summit X350 series switches—Gigabit Ethernet value edge stand-alone switches with ExtremeXOS® modular operating system.*

## Features

- Single streamlined operating system across the entire enterprise network
- ExtremeXOS provides scripting capability to automate network configuration
- Ethernet Automatic Protection Switching (EAPS) resiliency protocol
- Multiple network edge authentication support with multiple endpoints per port
- Ease of management

## Target Application

- Edge switch providing basic 10/100/1000BASE-T connectivity to the desktop in a network running ExtremeXOS from the core to the edge

Extreme Networks® Summit X350 series switches are based on ExtremeXOS, the revolutionary core-class operating system. When deployed at the network edge, Summit X350 switches benefit from the highly robust and modular architecture of ExtremeXOS and provide high levels of availability, resilience and simplified management of your entire network at an affordable price.

Summit X350 enables the rollout of applications such as gigabit to the desktop to support high bandwidth-demanding users.

The highly flexible Summit X350 switch provides high-density Gigabit Ethernet ports plus optional two 10 Gigabit Ethernet ports in a compact 1RU format, supporting intelligent Layer 2 switching with Layer 2 – Layer 4 traffic classification and Quality of Service (QoS) on every port for high productivity. Optional redundant power supplies are provided with each switch to help secure against power anomalies.

## Single Streamlined Operating System in the Entire Enterprise Network

Extreme Networks offers an ExtremeXOS-based Ethernet switching platform from edge, to aggregation, to core of the enterprise network. Having one operating system significantly simplifies network deployment and operation, as well as ongoing maintenance, to help reduce the total cost of ownership. Summit X350 running ExtremeXOS provides a consistent experience amongst other switches such as the BlackDiamond® modular chassis and provides an excellent user experience from the edge to the core of the network.

## Network Configuration Automation

ExtremeXOS provides extensible scripting capability that allows users to create a customized series of commands and executables. Scripting can be used to add incremental configuration to the network infrastructure, such as a list of VLANs to be configured. This capability eases the roll-out of networks and reduces configuration errors. For example, using the scripting capabilities of system and user-defined environment variables and constructs, such as if/then and loops, allows for automating regular management tasks and deployment configurations of QoS rate limiting and ACLs to multiple ports or multiple switches.

## Ethernet Automatic Protection Switching (EAPS)

EAPS allows the IP network to provide the level of resiliency and uptime that users expect from their traditional voice network. EAPS differs from Spanning Tree and Rapid Spanning Tree protocols in offering sub-second (less than 50 milliseconds) recovery that helps deliver consistent failover regardless of the number of VLANs, network nodes or network topology. Since EAPS allows the network to recover almost transparently, VoIP calls do not drop and digital video feeds do not freeze or pixelize in most situations.

## Multiple Network Edge Authentication Support with Multiple Endpoint per Port

Network Login capability enforces user admission and usage policies. Summit X350 series switches support a comprehensive range of Network Login options by providing an 802.1x agent-based approach, a web-based (agent-less) login capability for guests, and a MAC-based authentication model for devices. With these modes of Network Login, only authorized users and devices are permitted to connect to the network and be assigned to the appropriate VLAN.

Shared ports represent a potential vulnerability in a network. Multiple supplicant capability on a switch allows it to uniquely authenticate and apply the appropriate policies and VLANs for each user or device on a shared port. Multiple supplicant support secures IP Telephony and wireless access. Converged network designs often involve the use of shared ports.

## Ease of Management

As the network becomes a foundation of the enterprise application, network management becomes an important piece of the solution. Summit X350 switches offer comprehensive network management support through Command Line Interface (CLI), SNMP v1, v2c, v3, and embedded XML-based Web User Interface, ExtremeXOS ScreenPlay™. With a variety of management options and consistency across other Extreme Networks modular and stackable switches, Summit X350 series provides ease-of-management for demanding converged applications.

Extreme Networks has developed tools that can save you time and resources in managing your network. EPICenter® provides fault configuration, accounting, performance and security functions, allowing effective management of multi-layer switching equipment from Extreme Networks in a converged network.

Features	Summit X350
Copper 10/100/1000BASE-TX	24 or 48 ports
Fiber 10/100/1000BASE-X	4 ports
Optional Fiber 10 Gigabit Ethernet BASE-X	2
Power over Ethernet	No
External Redundant Power Supply	EPS-500
ACL Classification	Layer 2 – Layer 4, including IPv4/v6 based ACL
Policy-Based Switching	Yes in Layer 2 switching
ExtremeXOS License	ExtremeXOS Layer 2 Edge License included



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