

ExtremeCloud™

Simple, Flexible, and Business Aligned Cloud-Managed Wired and Wireless Networks

HIGHLIGHTS

BUSINESS ALIGNMENT

- Simple and adaptable – Wired/wireless infrastructure designed to adapt to changing business needs
- Investment protection – Same wired switches and wireless access points can be managed on premise or from ExtremeCloud
- Control user experience with smarter edges – Prioritize business traffic and applications and eliminate unwanted traffic directly at the network edge

OPERATIONAL EFFICIENCY

- Zero-touch, automated provisioning of managed network devices
- Simple management, faster problem resolution with multi-site, cloud-based visibility and control
- Integrated wired/wireless network management and role-based access control to greatly reduce administration time and effort
- Adaptive architecture to reduce complexity and optimizes information flow for each application

SUPPORT AND SERVICES

- Industry-leading customer satisfaction and first-call resolution rates
- Personalized services, including site surveys, network design, installation, and training



Smart wired and wireless edges managed from simple, highly available and scalable cloud software.

Product Overview

ExtremeCloud is a resilient and scalable cloud-based network management solution offered by Extreme Networks as a subscription service.

The network is your platform of engagement for clients and staff. We have designed ExtremeCloud to provide superior user experience by empowering you and the applications that drive your business. The combination of Extreme Networks' smart wired and wireless edges and the elasticity, resilience and scalability provided via state-of-the-art datacenters distributed strategically for worldwide availability allows you to respond to the changing needs of your business, at the speed of cloud, through a simple, multi-site aware user interface.

ExtremeCloud is subscription based, to align with your new business imperatives. Ease-of-purchasing, provisioning and ongoing operations are at the very core of ExtremeCloud, to allow you, and your team, to transform with your business, but without high upfront costs or complex infrastructure changes or software deployments.

ExtremeCloud supports both your corporate and guest networks with role-based management for users, devices, and applications. The smart wired and wireless edges enable individualized experience including quality of service (QoS), call admission control, secure access policies, rate limiting, multicast, filtering, and traffic forwarding. These services are enabled via a unique, flexible and extensible distributed architecture that is easily provisioned and managed via an intuitive web interface.

ExtremeCloud managed switches and wireless access points are simple to deploy and manage, yet provide advanced enterprise grade functionality to allow you to ensure that your network provides consistent user experience for all your business applications, whether voice, data or video.

ExtremeCloud is an easy to use and scalable cloud-based management platform that supports and transforms with your business. Combined with enterprise-grade wired and wireless cloud-managed devices, ExtremeCloud delivers a scalable and highly available pay-as-you go solution. Backed by Extreme Network's industry-leading global support and services, ExtremeCloud simplifies the difficult task of supporting your business transformation while ensuring a consistent user experience to end-users as they roam freely around your campus.

ExtremeCloud Aligns the Applications That Drive Your Network With Your Business Imperatives

ExtremeCloud on premise wired and wireless devices have the intelligence and processing capacity to handle real-time mobile applications that require seamless roaming across the campus. ExtremeCloud fully distributed architecture is designed to prevent heavy network utilization caused by the backhauling of data traffic to a centralized location.

ExtremeCloud delivers visibility and control over traffic flows at the ingress point into the network up to layer 7. Applying enforcement rules at the entry point of the network ensures that business critical resources are protected from over-subscription and ensures a consistent user experience. A highly-adaptable and extensible flow-based architecture provides high-fidelity controls based on roles defined by what, who, and when services are needed. Different actions are supported at the rule level including allow, deny, VLAN segmentation, QoS marking, and rate limiting of applications, ensuring that services are available based on each customers' business requirements. The flow-based architecture provides unparalleled visibility into the session data with minimal impact to performance. Unique in the industry, Extreme Networks' policy-based infrastructure works independent of VLANs or SSIDs which allows the policy to roam with the user and/or device as they move about the campus and further simplifies the configuration and management of enterprise networks.

WEB-BASED CENTRALIZED MANAGEMENT DRIVEN BY SIMPLICITY

ExtremeCloud provides network administrators with a centralized web-based interface designed to easily manage both infrastructure and services. This graphical interface allows network administrators to configure, enable, or disable each device or group of devices. ExtremeCloud consolidates data received from across your distributed networks and locations to provide meaningful statistics in easy-to-read dashboards and views to your team, wherever they are.

MULTI-SITE MANAGEMENT

ExtremeCloud provides centralized management of multiple virtual or physical sites, consolidating management information from across the entire network for a global and consistent experience. New services or policies are defined in just a few clicks and quickly deployed across one or more locations, or simply in a specific sub-section of your network, making it simple for you to test, then deploy globally new application driven services.

SECURITY

Security is built-into the entire fabric of ExtremeCloud and the devices that it manages. During the manufacturing process of cloud-enabled network devices, a unique certificate is installed along with the cloud-discovery services to prevent man-in-the-middle attacks and preserve the authenticity and confidentiality of communications between your wired or wireless network devices and ExtremeCloud. To ensure transparent connectivity through most firewall and NAT implementations, and eliminate the need for complex local infrastructure changes, ExtremeCloud wired and wireless edge devices use SSL over TCP/443 to discover and connect to ExtremeCloud. Administrative management sessions are secured over HTTPS/SSL and different levels of administrative access are available.

INVESTMENT PROTECTION

ExtremeCloud wired and wireless network devices firmware allows them to be managed locally or from ExtremeCloud. This unique capability allows you to adapt your network infrastructure to meet the changing needs of your business without costly hardware replacements or re-architecture.

HIGH SCALABILITY

ExtremeCloud provides linear scalability from small to large network deployments. The cloud platform is designed to scale infinitely and adapt to your business transformation imperatives.

HIGH AVAILABILITY AND SELF-HEALING

ExtremeCloud delivers the perfect combination of high-performance and high-availability demanded by today's mobile user in an easy to deploy and simple to manage cloud solution.

ExtremeCloud is hosted in multiple regional datacenters that offer 99.9% availability of infrastructure resources. Each datacenter offers backup and redundant services to ensure that ExtremeCloud is available when you need it.

ExtremeCloud has separated management from services, allowing your smart wired and wireless edges to continue to deliver service, including authenticate new users, enforce policies or optimize user experience even though they are no longer connected to ExtremeCloud.

Dashboards, statistics, client status and list and device status are updated and synchronized as soon as the connection between ExtremeCloud and your cloud managed switches and wireless access points is restored.

ExtremeCloud™

KEY CAPABILITIES	EXTREMECLOUD
SIMPLE AND SECURE	
Simple web-based graphical interface	✓
Firewall-friendly	✓
Auto-provisioning of managed devices	✓
Remote firmware upgrades of on-premise equipment	✓
Mobile application for device registration, naming and location tagging	✓
Secure Socket Layer (SSLv3) / secured communications	✓
Out-of-band management	✓
RADIUS authentication to local authentication services	✓
SCALABLE AND DEPENDABLE	
Worldwide availability and redundancy	✓
Multi-site management with common or dedicated service definitions	✓
Self-help administrator password reset	✓
Read-only administrator accounts	✓
Remote reboot of on-premise equipment	✓
Continuous service delivery regardless of connectivity status of switches and wireless access points to ExtremeCloud	✓
SMART AND BUSINESS ALIGNED	
Application driven policies at the network edge	✓
Remote capture of local logging data for easy troubleshooting	✓
Flow-based access control	✓
Guest Services redirection to external captive portal	✓
Pay-as-you-grow	✓
Protect your investment - Same network devices for on-prem and cloud management	✓

Ordering Information

EXTREMEWIRELESS™ ACCESS POINTS

PART NUMBER	PRODUCT NAME	PRODUCT DESCRIPTION
31012	AP3935i - FCC	For deployment in US, Puerto Rico and Colombia - Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Indoor Wave 2 access point with eight internal antenna array and active/active E/N data ports (Requires V10.01 or higher)
31013	AP3935i - ROW	For deployment in the EU and Rest-of-World (verify country availability) - Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Indoor Wave 2 access point with eight internal antenna array and active/active E/N data ports
31016	AP3965i - FCC	For deployment in US, Puerto Rico and Colombia - Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Outdoor Wave 2 access point with eight internal antenna array and active/active E/N data ports
31017	AP3965i - ROW	For deployment in the EU and Rest-of-World (verify country availability) - Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Outdoor Wave 2 access point with eight internal antenna array and active/active E/N data ports
30912	AP3805i - FCC	For deployment in the US, Puerto Rico and Colombia - Dual band Dual Radio 802.11ac/abgn, 2x2:2 MIMO Indoor Wave 1 access point with four internal antenna array
30913	AP3805i - ROW	For deployment in the EU and Rest-of-World (verify country availability) - Dual band Dual Radio 802.11ac/abgn, 2x2:2 MIMO Indoor Wave 1 access point with four internal antenna array

EXTREMESWITCHING™ X440-G2

PART NUMBER	PRODUCT NAME	PRODUCT DESCRIPTION
16530	X440-G2-12t-10GE4	X440-G2 12 10/100/1000BASE-T, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
16531	X440-G2-12p-10GE4	X440-G2 12 10/100/1000BASE-T POE+, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
16532	X440-G2-24t-10GE4	X440-G2 24 10/100/1000BASE-T, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
16533	X440-G2-24p-10GE4	X440-G2 24 10/100/1000BASE-T POE+, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
16534	X440-G2-48t-10GE4	X440-G2 48 10/100/1000BASE-T, 4 SFP combo, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+ (2 combo/2 non-combo), 2 1GbE copper combo upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license
16535	X440-G2-48p-10GE4	X440-G2 48 10/100/1000BASE-T POE+, 4 1GbE unpopulated SFP upgradable to 10GbE SFP+ (2 combo/2 non-combo), 2 1GbE copper combo upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS port, ExtremeXOS Edge license

EXTREMESWITCHING™ X620

PART NUMBER	PRODUCT NAME	PRODUCT DESCRIPTION
17401	X620-16x-Base	X620 16 100Mb/1Gb/10GBASE-X SFP+ ports, 2 unpopulated power supply slots, 1 unpopulated Fan Module slot, ExtremeXOS Edge license
10945	Fan Module FB	Fan module for X620-16x, Front to Back airflow
10946	Fan Module BF	Fan module for X620-16x, Back to Front airflow
10930A	300W AC PSU XT	300W AC power supply for X620-16x, Front to Back airflow
10943	300W AC PSU BF	300W AC power supply for X620-16x, Back to Front airflow
10933	300W +24V/-48V DC PSU	300W AC power supply for X620-16x, Back to Front airflow
10944	300W DC PSU BF	300W DC power supply for X620-16x, Back to Front airflow

Notes: Fan module and power supplies must be ordered separately for modular 16 port X620 systems.
Air flow direction of the fan module and power supplies must be the same.

Ordering Information (cont.)

EXTREMECLOUD™ SUBSCRIPTION SERVICE

SUBSCRIPTION PART NUMBER	SUBSCRIPTION DESCRIPTION
WS-AP3935I-FCC — US, Puerto Rico, Colombia	
<i>Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Indoor Wave 2 access point with eight internal antenna array and active/active E/N data ports (requires V10.01 or higher).</i>	
91011-31012	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 31012
91008-31012	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 31012
91007-31012	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 31012
91004-31012	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 31012
91000-31012	ExtremeWorks CLOUD TAC & OS 31012
97304-31012	ExtremeWorks CLOUD Education NBD Advanced Hardware Replacement 31012
WS-AP3935I-ROW — EU and Rest-of-World; Verify Country Availability	
<i>Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Indoor Wave 2 access point with eight internal antenna array and active/active E/N data ports.</i>	
91011-31013	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement Onsite 31013
91008-31013	ExtremeWorks CLOUD TAC & OS 4HR Advanced Hardware Replacement Onsite 31013
91007-31013	ExtremeWorks CLOUD TAC & OS 4HR Advanced Hardware Replacement 31013
91004-31013	ExtremeWorks CLOUD TAC & OS NBD Advanced Hardware Replacement 31013
91000-31013	ExtremeWorks CLOUD TAC & OS 31013
WS-AP3965I-FCC — US, Puerto Rico, Colombia	
<i>Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Outdoor Wave 2 access point with eight internal antenna array and active/active E/N data ports.</i>	
91011-31016	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 31016
91008-31016	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 31016
91007-31016	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 31016
91004-31016	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 31016
91000-31016	ExtremeWorks CLOUD TAC & OS 31016
97304-31016	ExtremeWorks CLOUD Education NBD Advanced Hardware Replacement 31016
WS-AP3965I-ROW — EU and Rest-of-World; Verify Country Availability	
<i>Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Outdoor Wave 2 access point with eight internal antenna array and active/active E/N data ports.</i>	
91011-31017	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement Onsite 31017
91008-31017	ExtremeWorks CLOUD TAC & OS 4HR Advanced Hardware Replacement Onsite 31017
91007-31017	ExtremeWorks CLOUD TAC & OS 4HR Advanced Hardware Replacement 31017
91004-31017	ExtremeWorks CLOUD TAC & OS NBD Advanced Hardware Replacement 31017
91000-31017	ExtremeWorks CLOUD TAC & OS 31017
WS-AP3085I-FCC — US, Puerto Rico, Colombia	
<i>Dual band Dual Radio 802.11ac/abgn, 2x2:2 MIMO Indoor Wave 1 access point with four internal antenna array.</i>	
91011-30912	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 30912
91008-30912	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 30912
91007-30912	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 30912
91004-30912	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 30912
91000-30912	ExtremeWorks CLOUD TAC & OS 30912
97304-30912	ExtremeWorks CLOUD Education NBD Advanced Hardware Replacement 30912
WS-AP3805I-ROW — EU and Rest-of-World; Verify Country Availability	
<i>Dual band Dual Radio 802.11ac/abgn, 2x2:2 MIMO Indoor Wave 1 access point with four internal antenna array.</i>	
91011-30913	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement Onsite 30913
91008-30913	ExtremeWorks CLOUD TAC & OS 4HR Advanced Hardware Replacement Onsite 30913
91007-30913	ExtremeWorks CLOUD TAC & OS 4HR Advanced Hardware Replacement 30913
91004-30913	ExtremeWorks CLOUD TAC & OS NBD Advanced Hardware Replacement 30913
91000-30913	ExtremeWorks CLOUD TAC & OS 30913

SUBSCRIPTION PART NUMBER	SUBSCRIPTION DESCRIPTION
X440-G2 12 10/100/1000BASE-T — 4 1GbE Unpopulated SFP Upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS Port, ExtremeXOS Edge License	
91011-16530	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 16530
91008-16530	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 16530
91007-16530	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 16530
91004-16530	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 16530
91000-16530	ExtremeWorks CLOUD TAC & OS 16530
X440-G2 12 10/100/1000BASE-T POE+ — 4 1GbE Unpopulated SFP Upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS Port, ExtremeXOS Edge License	
91011-16531	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 16531
91008-16531	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 16531
91007-16531	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 16531
91004-16531	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 16531
91000-16531	ExtremeWorks CLOUD TAC & OS 16531
X440-G2 24 10/100/1000BASE-T — 4 SFP Combo, 4 1GbE Unpopulated SFP Upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS Port, ExtremeXOS Edge License	
91011-16532	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 16532
91008-16532	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 16532
91007-16532	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 16532
91004-16532	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 16532
91000-16532	ExtremeWorks CLOUD TAC & OS 16532
X440-G2 24 10/100/1000BASE-T POE+ — 4 SFP Combo, 4 1GbE Unpopulated SFP Upgradable to 10GbE SFP+, 1 Fixed AC PSU, 1 RPS Port, ExtremeXOS Edge License	
91011-16533	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 16533
91008-16533	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 16533
91007-16533	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 16533
91004-16533	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 16533
91000-16533	ExtremeWorks CLOUD TAC & OS 16533
X440-G2 48 10/100/1000BASE-T — 4 SFP Combo, 4 1GbE Unpopulated SFP Upgradable to 10GbE SFP+ (2 combo/2 Non-Combo), 2 1GbE Copper Combo Upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS Port, ExtremeXOS Edge License	
91011-16534	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 16534
91008-16534	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 16534
91007-16534	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 16534
91004-16534	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 16534
91000-16534	ExtremeWorks CLOUD TAC & OS 16534
X440-G2 48 10/100/1000BASE-T POE+ — 4 1GbE Unpopulated SFP Upgradable to 10GbE SFP+ (2 Combo/2 Non-Combo), 2 1GbE Copper Combo Upgradable to 10GbE, 1 Fixed AC PSU, 1 RPS Port, ExtremeXOS Edge License	
91011-16535	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 16535
91008-16535	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 16535
91007-16535	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 16535
91004-16535	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 16535
91000-16535	ExtremeWorks CLOUD TAC & OS 16535
X620 16 100MB/1GB/10GBASE-X SFP+ — 2 Unpopulated Power Supply Slots, 1 Unpopulated Fan Module Slot, ExtremeXOS Edge License	
91011-17401	ExtremeWorks CLOUD TAC & OS with Next Business Day Onsite 17401
91008-17401	ExtremeWorks CLOUD TAC & OS with 4 Advanced Hardware Replacement Onsite 17401
91007-17401	ExtremeWorks CLOUD TAC & OS with 4HR Advanced Hardware Replacement 17401
91004-17401	ExtremeWorks CLOUD TAC & OS with NBD Advanced Hardware Replacement 17401
91000-17401	ExtremeWorks CLOUD TAC & OS 17401

Warranty

As a customer-centric company, Extreme Networks is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or media replaced as soon as possible. Select Extreme Networks Wireless Appliance come with a lifetime warranty.

For full warranty terms and conditions please go to:

<http://www.extremenetworks.com/support/policies/warranty>

Service and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimize customer networks, customized technical training, to service and support tailored to individual customer needs.

Please contact your Extreme Networks account executive for more information about Extreme Networks Service and Support

<http://www.extremenetworks.com/support>



<http://www.extremenetworks.com/contact> / Phone +1-408-579-2800

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