

Highlights

Business Aligned

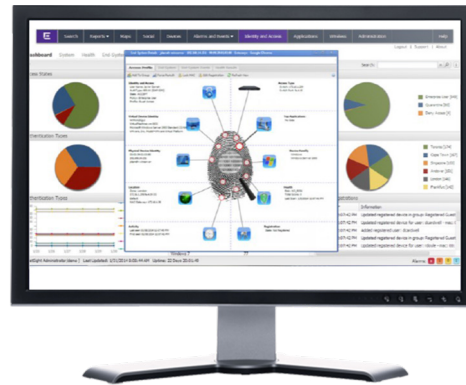
- Let your business imperatives drive the network with context driven policies
- Protect corporate data by proactively preventing unauthorized users, compromised endpoints, and other vulnerable systems from network access
- Securely enable critical initiatives like BYOD and IoT
- Effectively balance security and availability for users, contractors and guests
- Efficiently address regulatory compliance requirements
- Leverage pricing aligned with your business needs with per-user pricing

Security

- Dynamic role-based network access control based on contextual identity information
- Tight integration with third party solutions such as NGFW, SIEM, CMDB, internet security and EMM/MDM
- Proactively secure guest access and BYOD onboarding
- Built-in device profiling with internal and external profiling techniques
- Integrated agent-based and agentless security posture assessment
- Secure IoT network access

Operational Efficiency

- Granular and intuitive policy configuration and troubleshooting tools
- Out-of-the box multi-vendor infrastructure support
- Flexible deployments with enterprise-grade physical and virtual appliances
- Simple to deploy on single appliance with built-in AAA and Radius, portal, device profiler and assessment server
- Supports multiple authentication/authorization sources (AD, LDAP, local)



ExtremeControl[™]

Control users and devices across your wired and wireless networks with granular visibility and in-depth control. All from one central location.

You need a different approach to manage a complex network with BYOD and IoT devices to keep your data secure from ransomware and other cyber-threats. With in-depth visibility and granular control over users, devices and applications across your entire network, from the core to the edge, ExtremeControl simplifies managing secure mobility. It enables superior performance, scalability, high availability for the entire network. Our access control solution gives you centralized in-depth visibility and control over all end-points across your wired and wireless networks through one simple, flexible and easy to consume dashboard.

ExtremeControl securely enables BYOD and protects your network against external threats. It lets you centrally manage and define granular policies so you can meet compliance obligations, locate, authenticate and apply targeted policies to users and devices. It empowers you to roll-out network-wide policies with scalable enterprise-grade security for BYOD and IoT. Designed to adapt to your business needs, you can start small and scale to large deployments.

Our network access control solution is integrated with [major enterprise platforms](#) including solutions for network security, enterprise mobility management, analytics, cloud and datacenter. In addition, it offers an open northbound API for customized integrations to key enterprise platforms.

ExtremeControl is a stand-alone product that is part of our [Extreme Management Center](#) that gives you actionable insights, visibility and control in one single pane of glass for superior quality of user experience. With the integration, central consolidation and automation that ExtremeControl offers, you can identify, contain and remediate threats fast.

Our Professional Services can help you design, deploy and optimize your network, and provide customized technical training and support tailored to your specific needs.

Secure Your Network With Granular Policy Control and In-Depth Visibility

ExtremeControl enables you to apply granular controls over who, what, when, where, and how endpoints are allowed on the network. You can enable secure BYOD, guest access and IoT by rolling out real-time policies based on the security posture of devices. ExtremeControl matches endpoints with attributes, such as user, time, location, vulnerability, or access type, to create an all-encompassing contextual identity. Role based identities follow a user, no matter from where or how she connects to the network. They can be used to enforce highly secure access policies.

Setting granular policies and scaling them across your network automatically, makes it possible to comply to internal policies and external regulations. With one click you can enforce context-driven policies across devices for QoS, bandwidth and other parameters and align them to your business imperatives. Advanced reporting of all user valid authentications and failures with a real-time state table of all connected users and devices alerts you to potential issues.

In the face of constant network transformation you can use micro segmentation for consistent security without the need for complex network changes. When rolling out large projects, reduce risk by testing new policies and using passive policies for what-if-scenarios prior to enforcement. ExtremeControl lets you identify threats by profiling and tracking users and devices, as well as monitoring the health and compliance of devices before and after access. It assesses your network with policy audits and hit reports.

ExtremeControl also offers third party policy support, via user-based ACLs, ensuring granular control of your entire network, including Extreme and third party equipment.

Enable Secure Guests Access and BYOD

Our identity-aware solution includes automated guest registration access control to assure secure guest networking without burdening IT staff. It automatically manages expiration, account validity and time control for guest accounts without any IT involvement. Securely and easily onboard guests and BYOD devices with extensive customization, branding and sponsor-based approvals. Built-in device profiling using various internal and external profiling techniques makes sure only devices that comply to your policies can access your network. Users can log into their Yahoo or Salesforce account to complete guest registration.

To prevent access of your network from noncompliant and unenrolled devices we make integration with our EMM/MDM partners, such as Airwatch, Citrix and MobileIron easy. Additionally, integrated agent-based and agentless security posture assessments with the ability to integrate external solutions like scanners and endpoint security solutions are available.

Onboarding for BYOD or guest policies is made easy and secure with our self-service portal that offers texting and social login based identity. It lets users manage devices according to business policies. Devices are automatically provisioned, profiled, and a security posture complying to your security policies is set up. At the same time, employees can get their devices onto the network without requiring IT assistance.

Secure IoT

With ExtremeControl, you can enable secure IoT access by rolling out real-time policies based on the security posture of IoT devices. Policies follow a device, irrespective of where they connect to the network.

Reduce Security Vulnerabilities with End-System Posture Assessment

ExtremeControl offers both, agent-based and agentless assessment option. We can install either a persistent or dissolvable agent on the client end system or the agent can be downloaded via a captive portal website. It can also be installed via a software distribution system such as Group Policy or System Center Configuration Manager. The agentless assessment does not require an installation or running of any software on the end system.

Expand Security Integrations with Next-Generation Firewalls

Our ExtremeControl is integrated with our eco-system of partners to expand network security and threat response. Based on alerts from next-generation firewall solutions, we orchestrate endpoint isolation and remediation. We share contextual information such as users, IP address and location for powerful policy enforcement at perimeter firewalls. Policies based on ID-IP mapping follow users.

Get Visibility Across Your Network with Advanced Reporting and Alerting

ExtremeControl makes it easy to monitor issues on your network – all on one simple-to-read dashboard. It sends you advanced, customizable reports and alerts about the authentication, guest access, onboarding, device profiles and authentication, as well as end-system health.

Appliance Options

Hardware Appliances

Our ExtremeControl appliances are rack-mountable servers with all capabilities pre-installed. Purchased applications (licensed separately) are activated via license keys:

- The ExtremeControl Appliance IA-A-25, manages up to 12K end systems
- The ExtremeControl Appliance -IA-A-305, manages up to 24K end systems

Virtual Appliances

The ExtremeControl, virtual engines must be deployed on a VMWare or Hyper-V server with a disk format of VHDX.

- The VMWare Management Center virtual engines are packaged in the.OVA file format (defined by VMware)
- The Hyper-V Management Center virtual engines are packaged in the .ZIP file format

Hardware Appliance Specifications

Product Part Number	IA-A-25 (87100)	IA-A-305 (87101)
Appliance Specifications		
Storage	150GB Enterprise SSD	240GB Enterprise SSD
Networking	2 x 1GbE	2 x 1GbE
TPM Version 2.0	Yes	Yes
Appliance Scale Number		
Access Control End-Systems	Up to 12,000	Up to 24,000
Power Specifications		
Redundant Power Supply	750W 80+ Platinum Hot Pluggable	750W 80+ Platinum Hot Pluggable
AC Input Voltage	90Hz to 132V and 180V to 264V	90Hz to 132V and 180V to 264V
AC Input Frequency	47Hz to 63Hz	47Hz to 63Hz
Physical		
Rackmount/Dimensions	1U Rack/16.93" x 27.95" x 1.72"	1U Rack/ 16.93" x 27.95" x 1.72"
Weight	29 lb. (13.15 kg) Max	29 lb. (13.15 kg) Max
Environmental Specifications		
Operating	<ul style="list-style-type: none"> • ASHRAE Class A2 – Continuous Operation. 10° C to 35° C (50° F to 95° F) with the maximum rate of change not to exceed 10°C per hour • ASHRAE Class A3 – Includes operation up to 40C for up to 900 hrs per year. • ASHRAE Class A4 – Includes operation up to 45C for up to 90 hrs per year. 	<ul style="list-style-type: none"> • ASHRAE Class A2 – Continuous Operation. 10° C to 35° C (50° F to 95° F) with the maximum rate of change not to exceed 10°C per hour • ASHRAE Class A3 – Includes operation up to 40C for up to 900 hrs per year. • ASHRAE Class A4 – Includes operation up to 45C for up to 90 hrs per year.
Shipping	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Humidity (Shipping)	50% to 90%, non-condensing with a maximum wet bulb of 28° C (at temperatures from 25° C to 35° C)	50% to 90%, non-condensing with a maximum wet bulb of 28° C (at temperatures from 25° C to 35° C)
Vibration (Unpackaged)	5 Hz to 500 Hz 2.20 g RMS random	5 Hz to 500 Hz 2.20 g RMS random
Warranty		
Hardware	1 Year Parts and Labor	1 Year Parts and Labor

Assessment Agent OS Requirements

The table below outlines the supported operating systems for end-systems connecting to the network through an ExtremeControl deployment that is implementing agent-based assessment.

Additionally, the end-system must support the operating system disk space and memory requirements as provided by Microsoft® and Apple®.

Operating System		Operating System Disk Space	Available/Real Memory
Windows	<ul style="list-style-type: none"> Windows* Windows Vista Windows XP Windows 2008 Windows 2003 Windows 7 Windows 8 Windows 8.1 Windows 10 	80 MB	40 MB (80 MB with Service Agent)
Mac OS	<ul style="list-style-type: none"> Tiger Snow Leopard Lion Mountain Lio Mavericks Yosemite El Capitan Sierra 	10 MB	120 MB

Note: Certain assessment tests require the Windows Action Center (previously known as Windows Security Center) which is supported on Windows XP SP2+, Windows Vista, and Windows 7, Windows 8, and Windows 8.1 operating systems.

ExtremeControl Supported End-System Browsers

The following table outlines the supported desktop and mobile end-system browsers connecting to the network through the Mobile Captive Portal of ExtremeControl.

Browser		Version
Desktop	Microsoft Edge	41 and Later
	Microsoft Internet Explorer	11 and Later
	Mozilla Firefox	34 and Later
	Google Chrome	33.0 and Later
	Safari	All Versions
Mobile	Internet Explorer Mobile	11 and Later (Windows Phone)
	Microsoft Edge	All Versions
	Microsoft Windows 10 Touch Screen Native (Surface Table)	N/A
	Safari	7 and Later
	IOS Native	9 and Later
	Android Chrome	4.0 and Later
	Android Native	All Versions
	Dolhin	All Versions
Opera		

Ordering Information

To simplify ordering for customers that use 3rd party network management software we offer per-user pricing for ExtremeControl. It can also be ordered on a per device subscription basis.

End-System Licenses

Part Number	Description
IA-ES-1K	Identity and Access 1,000 end-system license for use with Identity and Access appliances
IA-ES-3K	Identity and Access 3,000 end-system license for use with Identity and Access appliances
IA-ES-12K	Identity and Access 12,000 end-system license for use with Identity and Access appliances)

Posture Assessment Licenses

Part Number	Description
IA-PA-3K	Identity and Access Posture Assessment license for 3,000 end- systems (includes both agent-based and agent-less assessment)
IA-PA-12K	Identity and Access Posture Assessment license for 12,000 end- systems (includes both agent-based and agent-less assessment)

Per-User Subscription Pricing

ExtremeControl (97207-27001)

Includes unlimited number of end-system licenses up to performance limit and ExtremeWorks for these licenses, priced per user per year.

Extreme Control Physical Appliances

Part Number	Description
87100	ExtremeControl Appliance -IA-A-25, manages up to 12K End Systems.
87101	ExtremeControl Appliance -IA-A-305, manages up to 24K End Systems.

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 product repaired or media replaced as soon as possible.

The appliance comes with a one year warranty against manufacturing defects. Software warranties are ninety (90) days and cover defects in media only. For full warranty terms and conditions please go to:

<http://learn.extremenetworks.com/rs/641-VMV-602/images/Extreme-Networks-Product-Warranty.pdf>

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.

Additional Information

For additional technical information, please go to:

<http://www.extremenetworks.com/product/extreme-access-control>



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

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