Features

Complete Visibility of the Entire Distributed Deployment

One point of configuration; ExtremeWireless WiNG 5 provides comprehensive management and multiple points of control for up to 10,000 multi-vendor network elements; provides granular control-plane management

Centralized Troubleshooting and Network Assurance

Single pane of glass for remote troubleshooting of the wired/wireless network that is distributed across multiple locations with different architectures; aggregated KPIs provide a global network health view while remote tools allow troubleshooting of individual network elements; tools include historical troubleshooting via detailed forensics

Guest Access Analytics

Analytics and reports on device-user browsing behavior provide insight into the usage of guest access networks; usage data includes date and duration of use, device and user profile, and websites visited

Security at the Network Edge

Each packet is inspected at Layer 2 via a stateful firewall, IPSEC VPN, and 24x7 Wireless Intrusion Protection System (WIPS); built-in sensors provide better control of your broadcast domain

Hierarchical Management

Simplified policy management for platform and platform-less deployment architectures in the network

Multi-Level Resiliency with Spectrum Management

Smart RF management mitigates the RF disruption caused by Wi-Fi and non-Wi-Fi interference, faulty antennas, dynamic dead spots, or neighboring access point failures by allowing the WLAN to automatically and intelligently adapt to changes in the RF environment;

ExtremeWireless™ WiNG NX 9500

Integrated Services Platform Series for the Private Cloud

Centralized Service Delivery and Management Platform

Control Your Entire Network with a Signle, Centralized Command Center

Are you prepared to manage the explosion of wireless devices and mobile applications in your enterprise? With our ExtremeWireless WiNG NX 9500 Integrated Services Platform for the NOC or private cloud, you will be. This single appliance provides one management interface through which your entire distributed network can be controlled — including the NX 4500/6500 Integrated Services Platform for the branch office, access points, guest access services, telephony services, mobile applications, and the mobile devices in the hands of your workforce. The NX 9500 Series feature set includes centralized management of initial and ongoing configurations, security policies, remote troubleshooting, hotspot management, and DHCP, Radius AAA, and FTP services.

WiNG 5 for Superior WLAN Performance, Scalability, Reliability, and Quality of Service

The ExtremeWireless WiNG 5 architecture distributes intelligence to every point in your network — including the NX 4500/6500 Integrated Services Platform in the branch office and the access points that are connected to those devices. Now, the platforms as well as access points are all capable of determining the best route for traffic, maintaining Quality of Service (QoS) and security policies. The result? Bottlenecks in traditional hub-and-spoke networks are eliminated. The NX 9500 supports 1:1 failover for high availability, with no additional licensing fees for the redundant system. A virtualized environment with licensable modules and features allows you to build as your business grows — a large upfront investment is not required.

Features (cont.)

the optional Spectrum Analysis module available on the centralized NX 9500 Platform allows the visualization and identification of the source of spectrum interference

Simple Installation and Remote Debugging

Fast and easy zero-touch installation; rule-based access point and NX 4500/6500 adoption from all locations; centralized point for gathering remote troubleshooting data

BYOD Support

Fingerprinting, analytics, and identity management help manage and secure user-owned devices with differential access based on user roles and different devices per user on the network, along with time-based statistics on user behavior on the hotspot

Simplified License Management for Large Distributed Enterprises

Distribute and use licenses based on actual load per site/location — no need to provision each location individually; eliminate the need to provision devices in both local offices and the NOC with access point licenses

Management of Extreme Networks' Unified Retail Communications Solution

Enables management of voice services located at branch offices, delivering VoIP, mobile extension to the PBX, enterprise-grade push-to-talk, and more

Multi-Vendor Mobile Device Management

Centrally manage up to 500,000+ handsets deployed at remote sites, including devices based on the Apple iOS and Android

End-to-End Support Services

Increase uptime and reduce support costs for your NX 9500 Series solution with our optional comprehensive support service offerings

Hierarchical Management of Your Entire Distributed Network

The NX 9500 hierarchical management system simplifies control and network management by presenting a single graphical user interface for the entire network. The NX 9500 can adopt NX 4500/6500 and RFS 4000/6000/7000 Series controllers, plus all of their adopted and stand-alone WiNG 5 access points. A macro and micro view of your network allows you to simultaneously view all of your branches or drill down into the infrastructure in any particular branch.

Keep Multi-Vendor Wirelss Networks Up, Running, and Secure

WLAN Security Services is now integrated with the NX 9500, eliminating the need for a separate hardware appliance. WLAN Security Services include Infrastructure Management, Security and Compliance, and Network Assurance to manage ExtremeWireless and non-ExtremeWireless WLAN infrastructure. This comprehensive toolkit provides everything you need to secure your wireless infrastructure, from remote troubleshooting, RF visualization, and spectrum analysis to forensics and customized reporting.

Centralized Management of All Your Mobile Devices

With the proliferation of Wi-Fi-enabled mobile devices and corporate Bring Your Own Device (BYOD) policies, enterprises must determine how to manage and secure different devices with different operating systems. By integrating Mobile Device Management software, you get the powerful multi-vendor support you need to manage a mixed device environment — including mobile computers as well as Android- or iOS-based devices. Now, your IT team can automatically stage mobile devices, update the software resident on deployed devices, and easily troubleshoot and resolve device problems — all from your network operations center (NOC).

Easily Deploy and Manage Mobile Applications

A virtualized framework allows you to host, deploy, and manage mobility applications directly from your NOC, right on the NX 9500. Mobile applications can be deployed faster and less expensively than ever before — including voice and video. You no longer have to purchase additional hardware to support new applications. In addition, you can also manage applications that are remotely deployed at your branch offices on the NX 4500/6500 Integrated Services Platform.

End-to-End Support

As a leader in enterprise mobility, Extreme Networks brings experience gained from working all over the globe with some of the world's leading companies. We leverage this expertise to offer solutions to our branch office customers that meet the peak performance needs of their business. Our comprehensive portfolio of services offers assistance at every phase of the network lifecycle — from planning and implementation to post-deployment everyday support. Our services help you reduce risk, lower your capital investment and operational costs, improve service delivery, and tailor your network to meet your specific needs.

Simplify network control, reduce network costs, and increase network services with the ExtremeWireless WiNG NX 9500. For more information, please visit www.extremenetworks.com/nx9500.

Creating a Cost-Effective, Robust, and Flexible Network in Each Brand Location

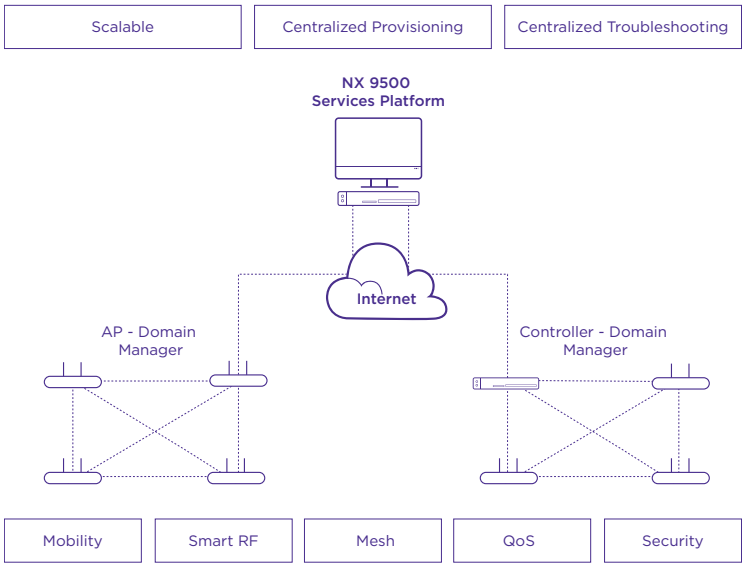
The flexible NX 9500 Integrated Services Platform for the Cloud allows you to manage NX 4500/6500 devices located in your branch offices or directly adopt and manage your ExtremeWireless WiNG access points. The NX 9500 easily scales as your company grows, allowing you to add more services and support more workers as needed — while also providing the management simplicity that comes with centralized and remote provisioning and troubleshooting of network infrastructure. And the NX 9500 delivers the intelligence your access points need to provide workers inside each branch with highly dependable and secure integrated voice and data services and applications.

Integration into Any Size Network

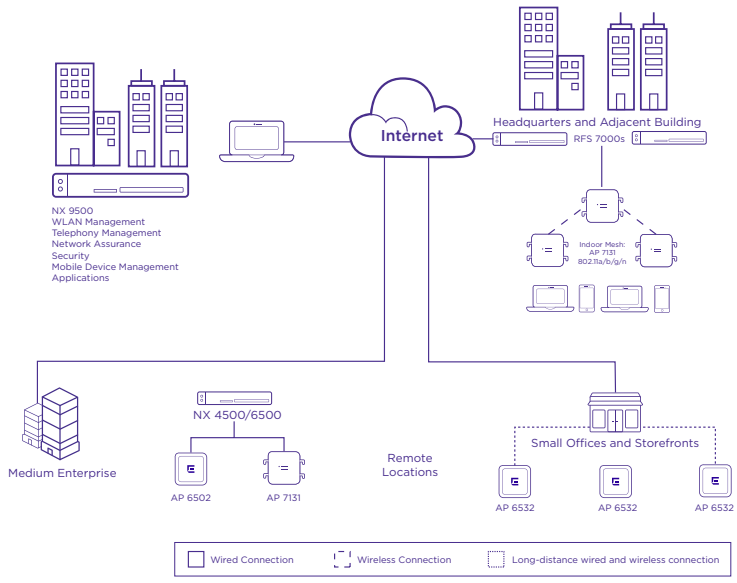
The powerful NX 9500 forms the foundation of a truly integrated network capable of delivering practically any service required to any worker in any size office — from large headquarters to midsize and small branch offices.

Simplified Guest Access

Guest Access Management is vastly simplified through the ability to centrally manage guest access policies across the network, including parameters such as device fingerprinting, onboarding (setting up secure guest access), and differential access (user, device, and application-based access with QoS).



NX 9500: Simplifying Management at the NOC



Specifications

	NX 9500	NX 9510
Physical Characteristics		
Dimensions	2U; 3.4 in. H x 16.9 in. W x 27.75 in. L/8.63 cm H x 42.93 cm W x 70.49 cm L	
CPU	Dual Intel Xeon 6-core, 2.4GHz, 12MB cache	
Memory	36 GB of ECC DDR3 RAM	
HDD	Enterprise-class reliability SAS/SATA drives 2x 1TB rated for 24/7 high-duty-cycle operation (read/write) and 1.2m+ hours MTBF	
GbE Ethernet Ports	2	2
10 GigE Ports	No	4
Access Point Capacity		10,240
Wireless Clients		200,000
RF Domains		4,096
Data Plane	No	Yes
IPSEC VPN	No	Yes
LTP v3 Termination	No	Yes
Extended VLANs	No	Yes
Redundant Power Supply		Hotswap power supply
USB Ports	5 total ports: 4 ports on the back of the unit, 1 port on the front of the unit	
Features	• BYOD • DHCP Server • RADIUS Server • Data processing	• Centralized configuration • Site survivability • Guest analytics • Hierarchical management
Centralized License Management	• Network assurance: Forensics, Live RF, Spectrum Analysis, AP Test • Mobile device management • Security: Rogue elimination/intrusion prevention and forensics	• WLAN management: configuration management, statistics, and alarms • VoIP communications management • Third party application provisioning and management
Troubleshooting	• LiveView • Spectrum Analysis • Client Connectivity Testing	• Network Assurance via access-port testing, policy compliance, and end-to-end network connectivity testing
Environmental Specifications		
Operating Temperature	50°F to 95°F/10°C to 35°C with the maximum rate of change not to exceed 50°F/10°C per hour	
Storage Temperature	-40°F to 158°F/-40°C to 70°C	
Non-operating Humidity	90%, non-condensing at 95°F/35°C	
Acoustic Noise	Sound power: 7.0 BA in an idle state at typical office ambient temperature. (23 +/- 2 degrees C)	
System Cooling	2550 BTU/hour	
Recommended Services		
Service from the Start Advance Exchange Support; Service from the Start On Site System Support; WLAN Software Support		