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 10,240 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 the guest access network; usage data includes date and duration of use, device and user profile, and websites visited.

Security at the eNtwork Edge

Each packet is inspected at Layer 2 via a stateful firewall, IP SEC 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.

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

The flexible NX 9600 Integrated Services Platform for the Cloud allows you to manage NX Series devices located in your branch offices or directly adopt and manage your ExtremeWireless WiNG access points.

ExtremeWireless™ WiNG NX 9600 Integrated Services Platform Series for the Private Cloud

Wireless LAN Centralized Service Delivery and

Product Overview

Are you prepared to manage the explosion of wireless devices and mobile applications in your enterprise? With our ExtremeWireless WiNG NX 9600 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 Integrated Services Platform portfolio 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 9600 Series feature set includes centralized management of initial and ongoing configurations, security policies, remote troubleshooting, hotspot management and DHCP, Radius AAA, and FTP services. And the large capacity hard drive accommodates the years of data required for the comprehensive analytics you need to streamline support from a Level 1 help desk to CxO-level metrics management and reports.

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 Integrated Services Platform portfolio and their connected access points. 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 9600 supports 1:1 failover for high availability, with no additional licensing fees for the redundant system.

Features (cont.)

The NX 9600 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 9600 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 9600 forms the foundation of a true 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).

Supports Extreme NSight via licensing, providing extensive real-time network analytics, custom dashboards, application visibility and control, and more. Tightly integrated with ExtremeWireless WiNG OS for collecting statistics and viewable in an easy-to-use browser interface, either in real time or over a time period of your choosing for easy trend analysis.

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; the optional Spectrum Analysis module available on the centralized NX 9600 Platform allows the visualization and identification of the source of spectrum interference.

Hierarchical Management of Your Entire Distributed Network

The NX 9600 hierarchical management system simplifies control and network management by presenting a single graphical user interface for the entire network. The NX 9600 can adopt NX and RFS Series controllers, as well as 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.

More Visibility, Deeper Analytics with Extreme NSight

Extreme NSight management can be added to an NX 9600 through licensing. Extreme NSight provides the real-time insight into your WLAN operations you need to protect this vital business artery and the business critical data it carries, every day of the year. This flexible management software allows you to access the wealth of information collected by the ExtremeWireless WiNG operating system and view it in an easy-to-use browser interface, either in real time or over a time period of your choosing for easy trend analysis.

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.

Features (cont.)

Simple Installation and Remote Debugging

Fast and easy zero-touch installation; rule-based access point and NX Series adoption from all locations; centralized point for gathering remote troubleshooting data.
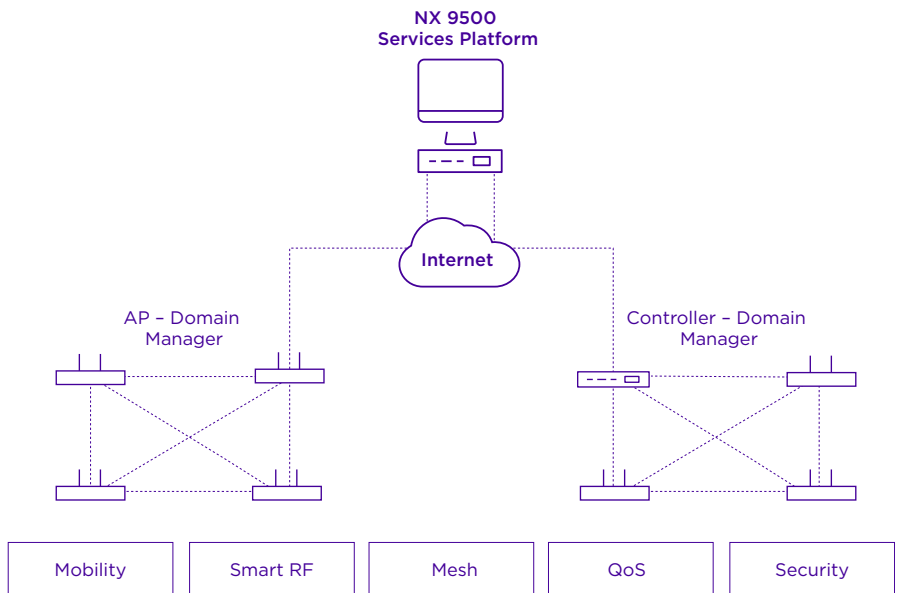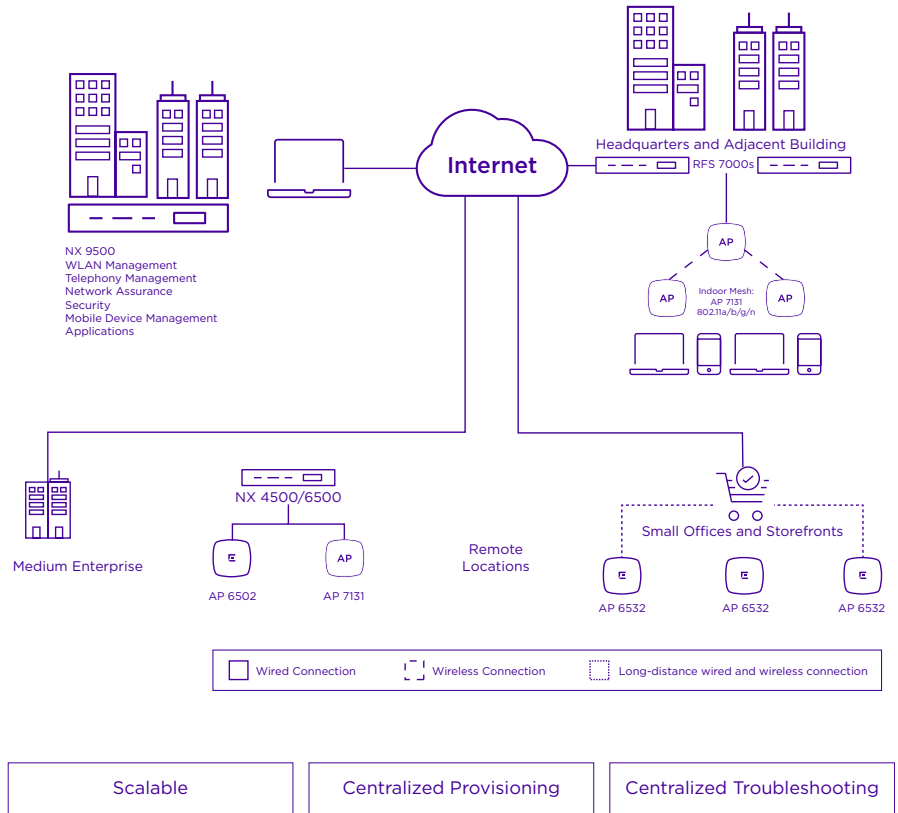
BYOD Support

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.

End-to-End Support Services

Increase uptime and reduce support costs for your NX 9600 Series solution with our optional comprehensive support service offerings.

NX 9500: Simplifying Management at the NOC

Headquarters and Adjacent Building
RFS 7000s

AP
AP
Indoor Mesh:
AP 7131
802.11a/b/g/n
AP

Internet

NX 9500
WLAN Management
Telephony Management
Network Assurance
Security
Mobile Device Management
Applications

Medium Enterprise

NX 4500/6500

AP 6502
AP 7131

Remote Locations

Small Offices and Storefronts

AP 6532
AP 6532
AP 6532

Wired Connection   Wireless Connection   Long-distance wired and wireless connection

Scalable	Centralized Provisioning	Centralized Troubleshooting

**NX 9500
Services Platform**

Internet

AP – Domain Manager

Controller – Domain Manager

Mobility	Smart RF	Mesh	QoS	Security

Specifications

Product Features	NX 9600	NX 9610
Physical Characteristics		
Dimensions	2U rack-mountable: 4 in. H x 19 in. W x 28 in. L/10.16 cm H x 48.26 cm W x 72.12 cm L	
Weight	50.2 lb./22.77 kg	
CPU	Dual Intel Xenon 6-core, 15MB cache	
Memory	40 GB RAM	
Storage	4 x 2TB hard drives with RAID-1; 64 GB Solid State Drive for firmware images and critical data	
GbE Ethernet Ports	2 x 1GbE ports	
10 GigE Ports	No	4 x 10 GigE ports
Access Point Capacity	10,240	
RF Domains	4,096	
Wireless LANs	1,024	
Data Plane	No	Yes
IPSEC VPN	Yes (management traffic)	Yes
LTP v3 Termination	Yes (management traffic)	Yes
Extended VLANs	No	Yes
Redundant Power Supply	Dual hotswap power supply	
USB Ports	3 x USB 2.0; 2 x USB 3.0	
Features	• Hierarchical management • Guest Wi-Fi/Captive Portal • DHCP Server • RADIUS Server • Centralized configuration/provisioning • Centralized troubleshooting, Network Assurance	
Environmental Specifications		
Operating Temperature	32°F to 104°F/0°C to 40°C	
Storage Temperature	-40°F to 158°F/-40°C to 70°C	
Operational Humidity	10% to 85% RH (non-condensing) at 40°C	
Non-operating Humidity	10% to 95% RH (non-condensing) at 40°C	
Operational Altitude	Maximum 10,000 feet @ 25°C	
Product SKUs		
NX-9600-100RO-WR	NX9600 Integrated Services Platform for the NOC – simplifying network deployment and management, providing superior performance, security, and scalability	
NX-9610-100RO-WR	NX9610 Integrated Services Platform for the NOC with 4x10 GBE Interfaces and HW crypto acceleration—simplifying network deployment and management, providing superior performance, security, and scalability	
Accessories		
NX-9600-PSU-ACC	NX 96XX – Spare power supply unit accessory	
NX-9600-HD-ACC	NX 96XX – Spare hard drive (2TB) accessory	
Recommended Services	Service from the Start Advance Exchange Support; Service from the Start On Site System Support; WLAN Software Support	
NX-9610-100RO-WR – (Pre-installed 10 GBPS Short Range Multi-mode SFP+Transceiver)	Spare SPFs	
NX-7500-SFPPL-SX	10GBPS Short range 850nm Multi-mode SFP+Transceiver	
NX-7500-SFPPL-LX	10GBPS Long range 10km Single-mode SFP+Transceiver	
Licenses		
NX-9000-1024LIC-WR	License: 1024 ADP AP FOR NX 9000	
NX-9000-128LIC-WR	License: 128 ADP AP FOR NX 9000	
NX-9000-8LIC-WR	License: 8 PACK FOR NX 95XX	

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Customer-Driven Networking

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