ZEBRA

NX 9600 Integrated Services Platform Series for the Private Cloud

Wireless LAN centralized service delivery and management platform

Are you prepared to manage the explosion of wireless devices and mobile applications in your enterprise? With our 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 helpdesk to CxO level metrics management and reports.

WiNG 5 for superior WLAN performance, scalability, reliability and quality of service

Zebra's 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.

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, all of their adopted and standalone WiNG 5 access points. A macro and micro view of your network allows you to simultaneously view all your branches or drill down into the infrastructure in any particular branch.

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 Motorola 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 9600. 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 6500 Integrated Services Platform.

End-to-end support

As a leader in enterprise mobility, Zebra 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 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.

Control your entire network from a single, centralized command center — with the Zebra NX 9600

For more information about the NX9600, visit www.zebra.com/nx9600 or access our global contact directory at www.zebra.com/contact

FEATURES

Complete visibility of the entire distributed deployment

One point of configuration; WiNG 5 provides comprehensive management and multiple points of control for up to 10,240 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
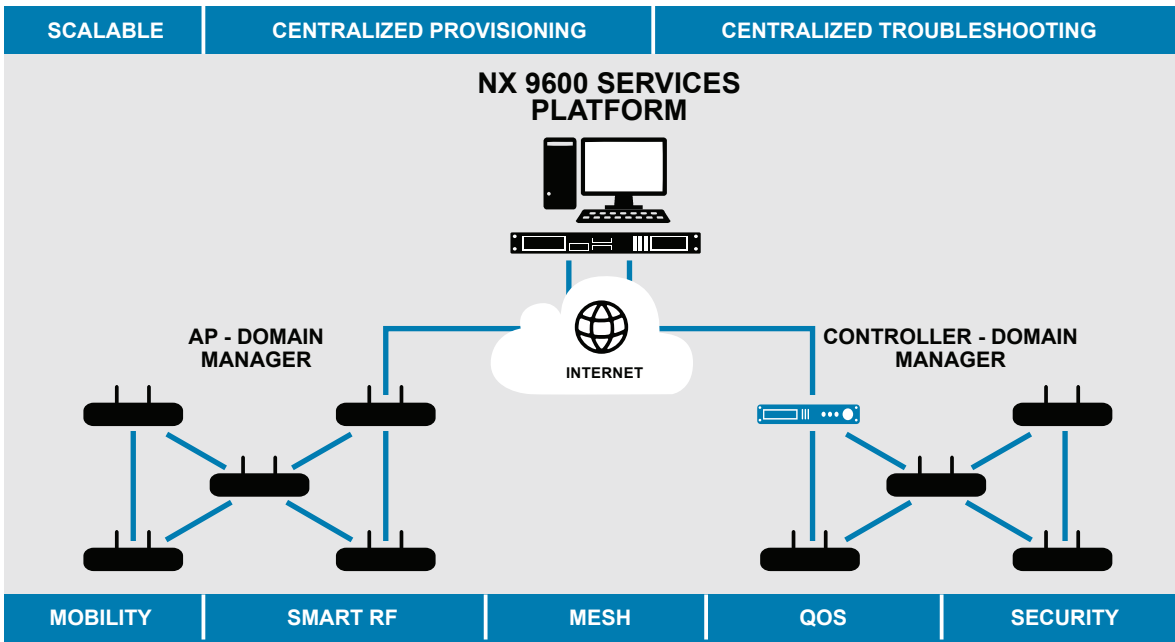
Guest access analytics

Analytics and reports on device-user browsing behavior provide insight into the usage of guest access network; 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, IP SEC VPN and 24x7 Wireless Intrusion Protection System (IPS); 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

SCALABLE | CENTRALIZED PROVISIONING | CENTRALIZED TROUBLESHOOTING

NX 9600 SERVICES PLATFORM

AP - DOMAIN MANAGER

INTERNET

CONTROLLER - DOMAIN MANAGER

| MOBILITY | SMART RF | MESH | QOS | SECURITY |

NX 9600: SIMPLIFYING MANAGEMENT AT THE NOC

NX 96OO
WLAN Management
Telephony Management
Network Assurance
Security
Mobile Device Management
Applications

INTERNET

Headquarters Adjacent Building

NX 7500s

Indoor Mesh:
AP 75XX

NX Series

AP 75XX

AP 8132/8232

REMOTE LOCATIONS

Medium Enterprise

Small Offices and Storefronts

AP 75xx

AP 75XX

AP 75XX

— Wired connection   — Wireless connection   — Long-distance wired or wireless connection

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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 Motorola access points. 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 Motorola access points need to provide workers inside each branch with highly dependable and secure integrated voice and data services and applications.
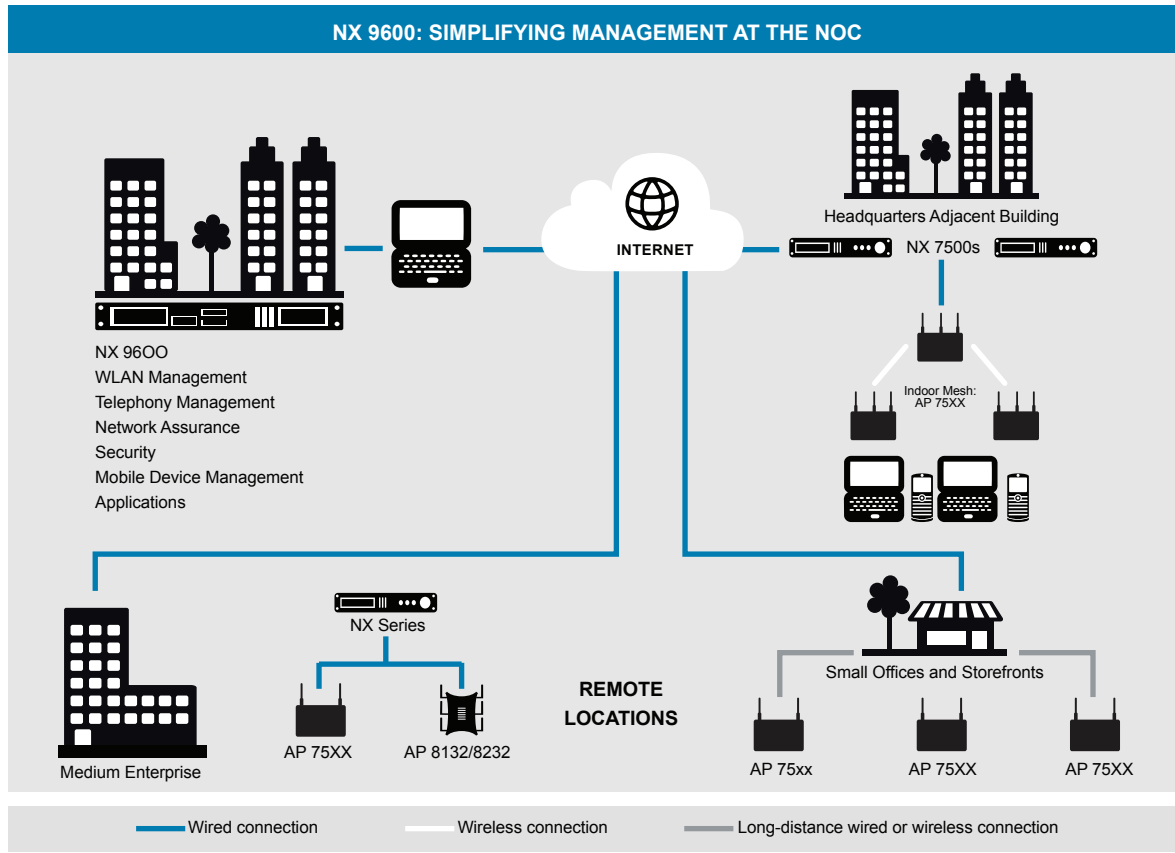
Integration into any size network

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 mid-size 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 finger printing, onboarding (setting up secure guest access) and differential access (user, device and application based access with QoS).

NX9600 Specifications

Specifications	NX 9600	NX 9610
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-5 ; 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-9600-100R0-WR	NX9600 Integrated Services Platform for the NOC - simplifying network deployment and management, providing superior performance, security and scalability.	
NX-9610-100R0-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

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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

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 and 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

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