NEXT GENERATION WIRELESS SERVICES FOR MID-SIZE AND CAMPUS ENVIRONMENTS

NX 7500 INTEGRATED SERVICES PLATFORM SERIES

ADVANCED WLAN PERFORMANCE AND ONE POINT OF CONTROL FOR YOUR ENTIRE WIRELESS LAN (WLAN)

The NX 7500 brings the next generation in WLAN speed, security, reliability and flexibility to the mid-size enterprise, providing comprehensive management and control of up to 2,048 network elements through a single pane of glass. With the NX 7500, all network infrastructure is empowered with the intelligence to make the best routing decisions, you get maximum speed and throughput — the congestion and latency associated with routing traffic through a centralized controller is eliminated.

MAXIMUM FLEXIBILITY DELIVERS SUPERIOR COST-EFFICIENCY AND INVESTMENT PROTECTION

With the modular design of the NX 7500, you can purchase the features you need today and add what you need tomorrow. As the number of users and application bandwidth requirements increase, upgrade to 10 Gigabit (10G) Ethernet, right in your facility. The fully programmable multi-core network processing engine makes it easy to add features that require in-line data processing, without the typical limitations of hardware ASIC based solutions. And the powerful control processor for management is accompanied by a high throughput cryptographic engine for extreme security.

MULTI-SERVICE PLATFORM

The virtualized framework and integrated 500 GB hard drive allow you to host, deploy and manage applications right on the NX 7500 — the need to purchase and manage additional hardware is eliminated. The NX 7500 can host Motorola Solutions industry leading wireless security solution, Air Defense Services Platform1. A central VM management dashboard allows you to manage VMs installed on remote NX 4500/6500 Series controllers. And many security features are also integrated, including a role-based firewall, a VPN and an Intrusion Detection System (IDS). The result? You get extraordinary management simplicity, as well as minimal space and power requirements in the IT closet. And you can deploy services faster, easier and less expensively than ever before — including voice and video.

EXTREME RELIABILITY

You can order your NX 7500 with a redundant power supply or add one at any time, right in your facility — no need to return the controller to a service depot. The 64 GB solid state drive stores and protects firmware images and critical data. RAID-1 capability and dual hot-swappable hard drives provide that extra peace of mind that comes from knowing that your data is safe from single hard drive failures.

POWERED BY THE ADVANCED WING 5 OPERATING SYSTEM

WING 5 provides the advanced brainpower required to create the “fully network aware” WLAN, allowing every piece of infrastructure in your wireless network to work together to route every transmission as efficiently as possible.

Plug-and-play
Fast and easy zero-touch installation plus rule-based access point adoption from all locations automates equipment discovery and deployment.

Hierarchical management
Manage your entire WLAN through a single graphical user interface that provides a macro and micro view — simultaneously view all your branch locations or drill down into any piece of infrastructure anywhere in your network — from access points that are adopted directly by the NX 7500 to NX 4500/6500 and RFS 4000 branch-level controllers and their adopted and standalone WING 5 access points.

Smart Routing
Every piece of infrastructure in your WLAN with the intelligence required to work together to route every transmission as efficiently as possible. Traffic is no longer routed through a centralized controller, eliminating network congestion and latency.
Comprehensive integrated network security services

Features include: a wired/wireless firewall, a built-in wireless intrusion protection system (IPS), an integrated IPSec VPN gateway, AAA Radius Server and secure guest access with a captive web portal, MAC-based authentication, 802.11w to secure management frames, NAC support, anomaly analysis and advanced security services, such as role-based firewall.

Smart RF

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.

BYOD support

The WiNG 5 OS provides the device fingerprinting, role based policy enforcement and analytics required to help manage and secure user-owned devices.

For more information on WiNG 5, please visit www.motorolasolutions.com/wiNg5

END-TO-END SUPPORT SERVICES

Services for every phase of your WLAN lifecycle

Increase uptime and reduce risk and support costs with our optional comprehensive support service offerings — from planning and implementation to post-deployment everyday support.

Deliver best-in-class wireless performance, simplify network control, reduce network costs and provide your workers with more wireless services to increase business efficiency with the Motorola Solutions NX 7500.

For more information, please visit www.motorolasolutions.com/wlan or access our global contact directory at www.motorolasolutions.com/contactus