



# NX 5500 INTEGRATED SERVICES PLATFORM

## NEXT GENERATION WIRELESS SERVICES FOR SMALL AND MID-SIZE ENVIRONMENTS



The NX 5500 brings the next generation in WLAN speed, security, reliability and flexibility to the midsize enterprise, providing comprehensive management and control of up to 512 network elements through a single pane of glass. With the NX 5500, 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.

### A highly cost-effective platform for optimized WLAN performance

The NX 5500 multi-core network processing platform supports up to 512 access points, well suited for small to mid-sized deployments. Its rich set of integrated services — including router, firewall, VPN, AAA/Radius server and DHCP/DNS server — eliminates the need for any additional hardware without compromising system performance. And the integrated application visibility engine provides the necessary intelligence to identify, categorize and filter/block/control network bandwidth usage based on your business needs.

### Centralized Management and control from the NOC through NX / VX

The network of distributed, multi-network NX 5500 deployments can be controlled and managed at the NOC through your NX9XXX/NX75XX/VX9000 — giving you a single-pane-of management for easy provisioning and day-to-day monitoring and troubleshooting of your entire WLAN infrastructure.

### 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.

### WiNG 5 includes:

- **Plug-and-play:** Fast and easy zero-touch installation plus rule-based access point adoption from all locations automates equipment discovery and deployment.
- **Smart Routing:** Every piece of infrastructure in your WLAN has 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:** Wired/wireless firewall, built-in wireless intrusion protection system (WIPS), integrated IPSec VPN gateway, AAA Radius Server and secure guest access with a captive web portal, and much more.
- **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 and role based policy required to help manage and secure user-owned devices.

# Specification Chart

PHYSICAL CHARACTERISTICS		WLANs	
Dimensions	1U, rack mountable 16.93 in. W x 1.74 in. H x 12.63 in. D 430 mm W x 44.2 mm H x 320.7 mm D	WLANs	256
Weight	10 lb./4.5 kg	Wireless Clients	16K
Memory	4 GB RAM	USER ENVIRONMENT	
Storage	32 GB Solid state drive for firmware images and critical data	Operating Temp.	32°F to 104°F/0°C to 40°C
Power Supply	100 Watts, 100-240V AC PSU	Storage Temp.	-4°F to 158°F/-20°C to 70°C
Power Consumption	30 Watts	Operating Humidity	5% to 85% at 104° F/40° C
CAPACITY AND PERFORMANCE		Storage Humidity	5% to 95% at 104° F/40° C
APs Supported (Local bridging)	512	INTERFACES AND MANAGEMENT	
APs Supported (Extended VLAN)	256	<ul style="list-style-type: none"> <li>Six 10/ 100/ 1000 Base-T Ethernet ports (copper)</li> <li>Two USB 2.0 interfaces</li> <li>RS-232 serial console (RJ-45) interface</li> <li>LCD panel with navigation buttons</li> </ul>	
Data Throughput	6 Gbits/sec.	PRODUCT SKUS AND LICENSES	
Crypto Throughput	2 Gbits/sec.	NX-5500-100R0-WR	NX 5500 Services Platform
RF Domains	512	NX-5500-ADP-16	16x AP license pack for NX 5500
		NX-5500-ADP-64	64x AP license pack for NX 5500
		NX-5500-ADP-128	128x AP license pack for NX 5500

**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 NX 5500 INTEGRATED SERVICES PLATFORM.**

**FOR MORE INFORMATION, VISIT [WWW.ZEBRA.COM/WLAN](http://WWW.ZEBRA.COM/WLAN) OR ACCESS OUR GLOBAL CONTACT DIRECTORY AT [WWW.ZEBRA.COM/CONTACTUS](http://WWW.ZEBRA.COM/CONTACTUS)**



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