

# WiNG Express Manager

## HIGH PERFORMANCE ENTERPRISE-CLASS WLANS, SIMPLIFIED FOR SMALLER BUSINESSES



If you have a small to mid-size business, you share many of the same wireless networking needs as a large business. Your workers need the same high performance enterprise-class wireless LAN (WLAN ) connectivity — a WLAN that offers around-the-clock dependability, self-healing, the wired-style speeds required to maximize efficiency and rock solid security. And just like the large business, you need tools to monitor, manage and troubleshoot the WLAN and all its connected devices. But 'big business' WLAN functionality comes at a high price — an IT department with the expertise required to manage the complex features and functionality of an enterprise-class WLAN ...until today. WiNG Express makes cost-effective high-performance wireless networking a reality for your small to mid-size operation. Now, you can give your workers the wireless voice and data connectivity they need to maximize productivity and deliver best-in-class service to each and every customer. The result? Real competitive advantage.

### Support 1 to 1,024 access points

WiNG Express offers cost-effective support for the smallest possible business network with a single access point to mid-size businesses that have up to 1,024 access points in one or more locations.

### Easy scaling

WiNG Express lets you start small and grow big. Whether you start with one or one hundred access points, as your business grows and your workforce and application requirements expand, WiNG Express can grow right along with you. The flexible architecture allows you to easily expand your network to support more users and more applications in one office — or multiple sites.

### Flexible deployment options

WiNG Express Manager is offered in both hardware (NX 5500E/ NX 7510E) and virtual (VX9000E) appliance models to suit your deployment needs. If you have less than 26 access points in a single site, WiNG Express brings you the power of centralized management — without the need to purchase and manage a controller. The result is a new level of simplicity and a new low cost-point for enterprise-class wireless networking. This “controllerless” management allows one

of your access points to simply manage an entire network of 25 access points. If your 25 access points are spread out in multiple locations or your business requires more than 25 access points in one or more locations or the management of heterogeneous access points, no problem — just add WiNG Express Manager to easily manage up to 1,024 access points in all of your sites.

### Get your network up and running in minutes with easy zero-touch deployment

With WiNG Express, you don't need to understand advanced configuration options to get your network up and running. Easy site setup and intuitive auto-provisioning policy allows easy multi-site deployments. Just power up your access points to automatically discover and provision your access points with the predefined configurations. Your enterprise-class WLAN is ready to go in minutes.

### Powerful analytics made easy

Wing Express presents the volumes of information about your access points and their radios, all of your WLANs and all of the mobile devices connected to your WLANs in easy to understand screens that make it easy to monitor and manage every aspect of your enterprise class wireless network.

## WLAN MANAGEMENT MADE SIMPLE

WiNG Express Manager's intuitive and easy to understand screens make every aspect of managing your WLAN easy — from initial staging to ongoing daily management.

### SYSTEM LEVEL (MULTI-SITE) DASHBOARD

The system level dashboard presents a map view of all the sites with inventory details for immediate visualization of the entire network. The site-level dashboard allows you to see the status of your access points and their radios, the client devices — including device type — connected to your access points, how much capacity is available and more. And a drop-down box allows you to view information for your preferred timeframe — for the last 30 minutes, the past two hours or the last 24 hours.

### QUICK AND EASY SITE SETUP

Setting up a multi-site network has never been easier. Site creation from the system level configuration can be as simple as choosing the default template configuration or cloning the desired configuration from an existing site. Specific system level configuration settings you define are pushed out globally and automatically applied to all of your access points in all of your sites or to a specific site, dramatically simplifying the time, effort and cost of network-wide configuration.

### DEPLOYMENT WITHOUT STAGING — AP AUTO PROVISIONING

WiNG Express Manager's auto-provisioning feature allows you to deploy a multi-site WLAN network without any pre-staging. Policies can be defined for each site to match against parameters such as CDP/LLDP string, AP MAC and IP address to place APs in a specific site and apply the appropriate configuration. As a result, the time required to deploy your WLAN infrastructure is significantly reduced.

### SYSTEM AND SITE-LEVEL MONITORING/ANALYTICS

This ongoing system and site level log tracks and maintains a complete history of events that have occurred on your WLAN, providing valuable trending information as well as details you need to address a specific incident and prevent a re-occurrence in the future. You can inspect aggregated analytics at the system level or drill-down to site-specific details for more granularity.

# Specification Chart

## NX 7510E EXPRESS MANAGER

### PHYSICAL CHARACTERISTICS

**Dimensions** 1U, rack mountable  
17.2 in. W x 1.76 in. H x 21.28 in. D  
436.8 mm W x 44.7 mm H x 540.5 mm D

**Weight** 41.8 lb./19 kg

**Memory** 16GB RAM

**Storage** 64GB Solid-state drive for firmware images and critical data 500GB hard-drive

**Power Supply** 300 Watts, 100-240V AC PSU @50Hz-60Hz

**Power Consumption** 110 Watts

### USER ENVIRONMENT

**Operating Temp.** 32°F to 104°F/0°C to 40°C

**Storage Temp.** -4°F to 167°F/-20°C to 75°C

**Operating Humidity** 5% to 85% at 104° F/40° C

**Storage Humidity** 5-95%

### CAPACITY AND PERFORMANCE

**Express APs Supported** 1,024

**Number of Sites** 1,024

**WLANs** 256

**Interfaces** 6 10/100/1000 Base-T Ethernet ports

### PRODUCT SKUS AND LICENSES

**NX-7510E-100R0-WR** Express Manager Platform w/128 Express AP licenses

**NX-7500E-ADP-32** 32x Express AP license certificate for NX-7510E

**NX-7500E-ADP-128** 128x Express AP license certificate for NX-7510E

**NX-7500E-ADP-512** 512x Express AP license certificate for NX-7510E

## NX 5500E EXPRESS MANAGER

### PHYSICAL CHARACTERISTICS

**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

**Weight** 10 lb./ 4.5 kg

**Memory** 4GB RAM

**Storage** 32GB Solid-state drive for firmware images and critical data

**Power Supply** 100 Watts, 100-240V AC PSU @50Hz-60Hz

**Power Consumption** 30 Watts

### USER ENVIRONMENT

**Operating Temp.** 32°F to 104°F/0°C to 40°C

**Storage Temp.** -4°F to 167°F/-20°C to 75°C

**Operating Humidity** 5% to 85% at 104° F/40° C

**Storage Humidity** 5-95%

### CAPACITY AND PERFORMANCE

**Express APs Supported** 512

**Number of Sites** 512

**WLANs** 256

**Interfaces** 6 10/100/1000 Base-T Ethernet ports

### PRODUCT SKUS AND LICENSES

**NX-5500E-100R0-WR** Express Manager Platform w/128 Express AP licenses

**NX-5500E-ADP-16** 16x Express AP license certificate for NX-5500E

**NX-5500E-ADP-64** 64x Express AP license certificate for NX-5500E

**NX-5500E-ADP-128** 128x Express AP license certificate for NX-5500E

## WING EXPRESS MANAGER IS IDEAL FOR:

### Retail

Small to mid-size retail stores

### Warehousing

Small to mid-size warehouses

### Manufacturing

Production lines in small to mid-size manufacturing plants

### Healthcare

Small to mid-size hospitals and clinics

# Specification Chart

## VX 9000E EXPRESS MANAGER

### SUPPORTED HYPERVISORS AND CLOUD ENVIRONMENTS

- VMware ESX
- Citrix Xen
- Microsoft Hyper-V
- Amazon EC2 Cloud

### SUGGESTED MINIMUM HARDWARE RECOMMENDATION

Capacity (APs)	64	128	512	1,024
vCPUs	2	2	2	2
CPU Clock	2 GHz	2 GHz	2 GHz	2 GHz
Memory	3 GB	3 GB	4 GB	4 GB
Disk Space	8 GB	8 GB	8 GB	8 GB

### CAPACITY AND PERFORMANCE

Express APs Supported	1,024
Number of Sites	1,024
WLANs	256

### PRODUCT SKUS AND LICENSES

VX-9000E-APPLN-LIC	Express Manager VM appliance license w/128 Express AP licenses
VX-9000E-ADP-32	32x Express AP license certificate for VX-9000E
VX-9000E-ADP-128	128x Express AP license certificate for VX-9000E
VX-9000E-ADP-512	512x Express AP license certificate for VX-9000E

GET THE MANY ADVANTAGES OF 'BIG-BUSINESS' ENTERPRISE-CLASS HIGH-PERFORMANCE WIRELESS NETWORKING IN YOUR SMALL TO MID-SIZE OPERATION WITH ZEBRA WING EXPRESS MANAGER.

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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