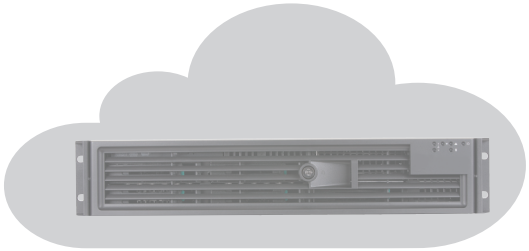
WiNG EXPRESS MANAGER

ZEBRA TECHNOLOGIES

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 rocksolid 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 (nx7510e) and virtual (vx9000e) appliance models to suite 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 pre-defined 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.

WiNG EXPRESS MANAGER IS IDEAL FOR:

RETAIL
Small to mid-size retail stores

WAREHOUSING
Small to mid-size warehouses

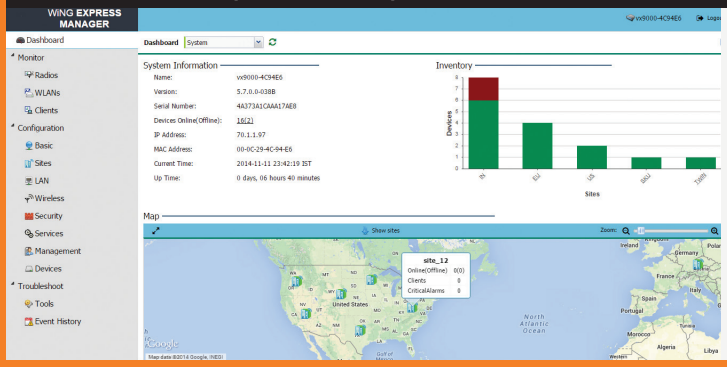
MANUFACTURING
Production lines in small to mid-size manufacturing plants

HEALTHCARE
Small to mid-size hospitals and clinics

WLAN MANAGEMENT MADE SIMPLE

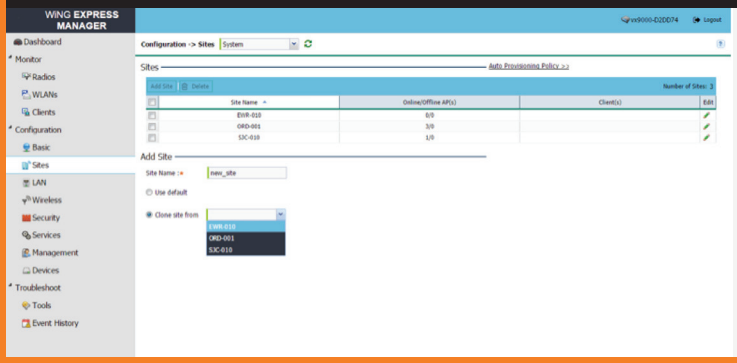
WiNG Express Manager's intuitive and easy to understand screens make every aspect of managing your WLAN easy — from initial staging to ongoing daily management.

SYSTEM LEVEL (MULTI-SITE) DASHBOARD



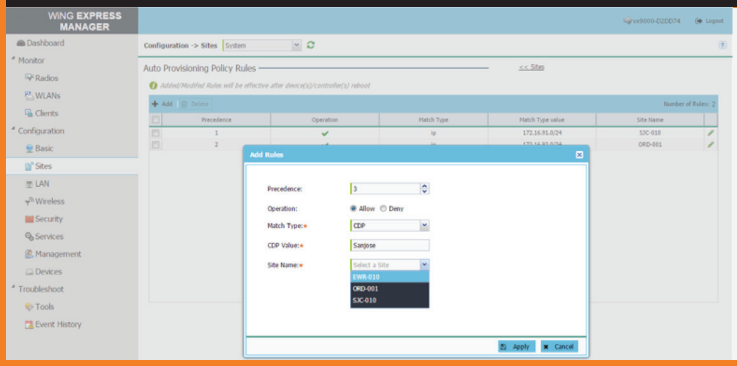
The system level dashboard presents a map view of all the sites with inventory details for immediate visualization of the entire network. The site-level dashboard allows you to see the status of your access points and their radios, the client devices — including device type — connected to your access 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



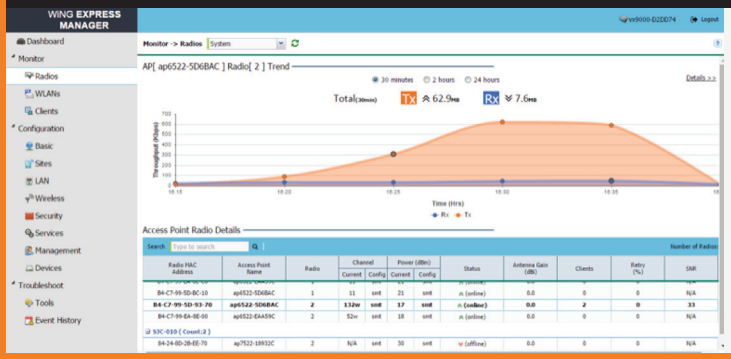
Setting up a multi site network has never been easier. Site creation from the system level configuration can be as simple as choosing the default template configuration or cloning the desired configuration from an existing site. Specific system level configuration settings you define are pushed out globally 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 a site-specific details for more granularity.

SPECIFICATIONS

NX 7510E EXPRESS MANAGER

PHYSICAL CHARACTERISTICS	
Dimensions	1U, rack mountable 17.2 in. W x 1.76 in. H x 21.28 in. D 430 mm W x 42 mm H x 532 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/ 64 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

VX 9000E EXPRESS MANAGER

SUPPORTED HYPERVISORS AND CLOUD ENVIRONMENTS

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

SUGGESTED MINIMUM HARDWARE RECOMMENDATIONS

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/ 64 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, please visit www.zebra.com/wlan
or access our global contact directory at www.zebra.com/contact

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