



## Simplifying Planning, Deployment and Management of Business Wi-Fi

- Facilitates the estimation of the quantity and placement of APs
- One-click calculation of the coverage with real-time data from the wireless LAN infrastructure
- Proactive RF parameter adjustments for simulating the best coverage and performance
- Visualized device location for troubleshooting, planning and asset tracking
- Practical, essential RF statistics (channel in use, stations counts, Tx/Rx packet count and retry rate)

The ZyXEL Wireless Optimizer is a practical, effective and easy-to-use tool that facilitates you on many tasks ranging from planning wireless networks to monitoring network performance. The three major functions of the ZyXEL Wireless Optimizer are AP planning, coverage detection and wireless health management. The ZyXEL Wireless Optimizer builds coverage maps by utilizing RF signals and information gathered from deployed APs and the NXC2500 WLAN controller requiring neither costly on-site survey tools nor additional sensors or location servers.

The ZyXEL Wireless Optimizer visualizes network performance on the wireless network map to present how it's exactly performing. Taking advantage of the RF coverage and health data provided by the ZyXEL Wireless Optimizer, network administrators will address network problems quickly in order to improve service quality and optimize your wireless network.

### Benefits

#### Project proposal and planning stage

When proposing a wireless network deployment project, the first question comes to the network architect would be "how many access points will I need?" Using the ZyXEL Wireless Optimizer, that question can be easily answered by placing the access points onto the map to estimate the quantity needed. The tool also provides some advanced "user-scenario" options, such as high-density areas or different environments such as office or hotel; with which the planner just needs to tick the expected conditions and the ZyXEL Wireless Optimizer will calculate the coverage of selected APs. The network architect can sit comfortably in the office to plan and simulate how many and what types of access points are needed for the deployment.

#### Adjustment during deployment

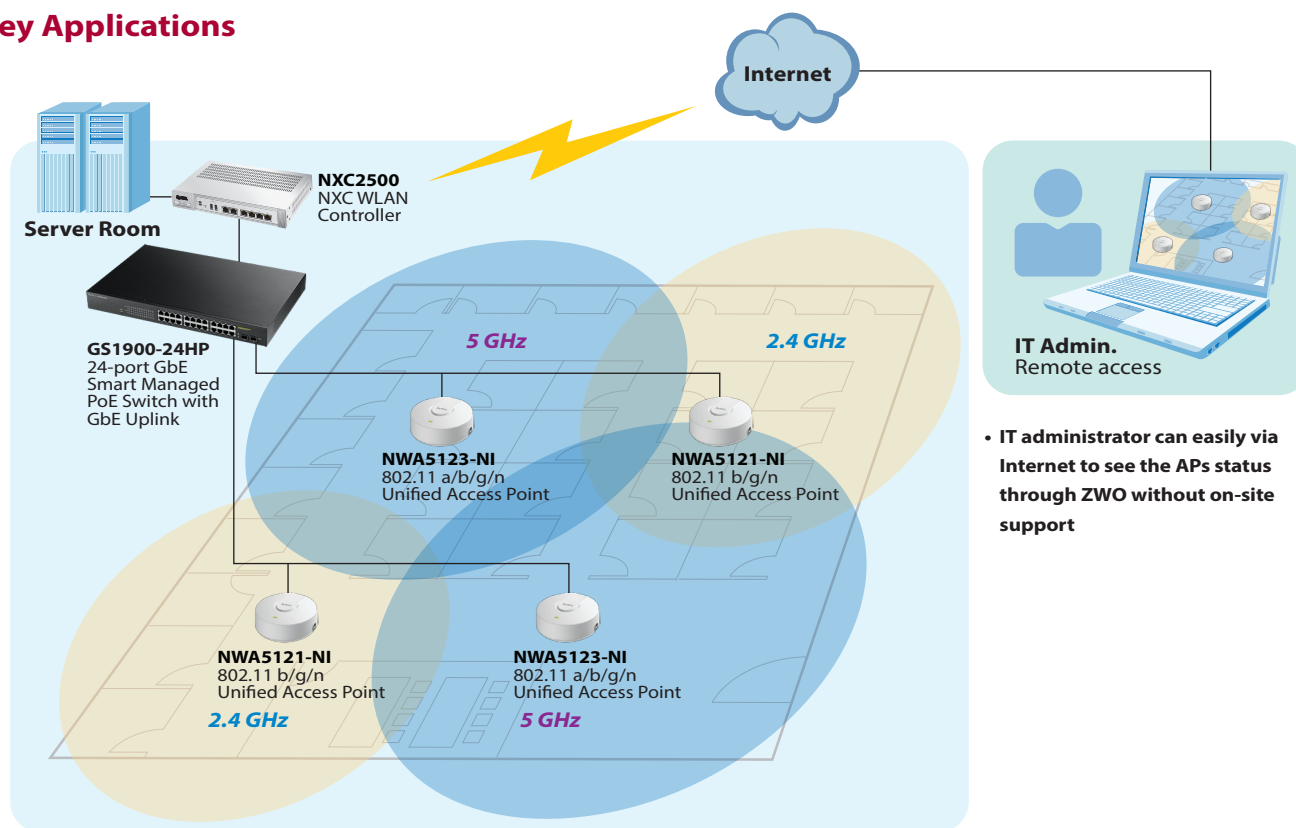
As many network administrators know, traditional wireless LAN deployments are extremely time-consuming and labor-intensive, and they usually cannot be done in one visit. To address this, the ZyXEL Wireless Optimizer has been designed to reduce both time and cost by planning wireless networks before actual deployments.

Once the NXC2500 WLAN controller and NWA access points are deployed at planned positions and turned on, network administrator can use the ZyXEL Wireless Optimizer to review the actual signal coverage map utilizing the RF signal details collected from the controller and access points. With the convenient tool, the administrator can move or add access points to eliminate any possible dead spots; or they can adjust the output power level to prevent possible signal interference on NXC controller. The wireless network is well planned right from the start.

### After-sale maintenance

Today, most network administrators use either the controller user interface or SNMP-based network management systems to monitor and manage the deployed networks. The commonly used list view is difficult for administrators to quickly identify and locate the device in question on the network. The ZyXEL Wireless Optimizer offers network administrators another significant benefit by visualizing key performance details, including the channel in use, transmit retry rate and frame error rate, beside the devices on the environment map. The user-friendly presentation of network status not only saves the time looking for the critical information, but also helps network administrators to quickly respond to the problems with better service quality.

### Key Applications



### Supported Models

Series	Unified Pro Access Point	Unified Access Point	Managed Access Point	Wireless LAN Controller
Model	NWA3160-N NWA3560-N NWA3550-N	NWA5121-NI NWA5121-N NWA5123-NI NWA5301-NJ	NWA5160N NWA5560-N NWA5550-N	NXC2500

### System Requirement

Operating system	Microsoft® Windows XP Professional SP2+, Windows Vista (32-bit) Windows 7 (32-bit, 64-bit), Windows 8 (32-bit, 64-bit)
Processor	Intel® Pentium® 4 1.4 GHz or higher recommended
RAM	2 GB recommended
Hard disk	100 MB of free disk space
Map import	A site map in the following supported formats: .bmp, .gif, .jpg, .png

For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)



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