



Enables centralized visibility, management and control of the wireless environment

## OVERVIEW

This comprehensive wireless network management software package contains all of the features you need to successfully plan, configure, deploy and manage an enterprise-class wireless LAN (WLAN). As an integral part of the 3Com® Wireless LAN Mobility System, the 3Com Wireless Switch Manager software works with 3Com wireless LAN controllers and switches to centrally manage and control 3Com managed access points (MAPs) for those networks demanding complex deployments, with multiple offices or with highly secure WLAN requirements.

## KEY BENEFITS

### OFFERS CUSTOMIZED, AUTOMATED SITE PLANNING AND PRE-CONFIGURATION

Wireless LAN pre-deployment planning and configuring are automated and dramatically simplified with 3Com's Wireless LAN Switch Manager. The planning portion of this powerful application lets you import site floor plans in a variety of file formats and automatically configure your site for capacity and coverage using the built-in Virtual Site Survey. The Virtual Site Survey automatically accounts for a large variety of common RF obstacles ranging from doors, walls, ceilings and third-party access points to reinforced concrete walls or other architectural obstacles. Additionally, custom RF attenuators can be created to add to the extensive library of common building objects.

A recommended configuration of the wireless LAN is automatically determined based on your site's specific plan results. Managed access point locations are automatically placed into the site plan, managed access point power levels are determined and optimized and RF channels are automatically assigned. You can then print out a work order showing exactly where to install the 3Com Mobility System equipment, thus greatly simplifying deployment efforts and reducing costs. This powerful wireless LAN planning tool can test "what-if" scenarios to ensure precise modeling of the Mobility System while reducing the time, cost and complexities associated with pre-deployment planning and configuration.

### SIMPLIFIES CONFIGURATION, VERIFICATION AND DEPLOYMENT OF THE WLAN MOBILITY SYSTEM

The Wireless LAN Manager goes beyond just planning your installation to completely verifying and deploying the plan. Configuration templates are quickly replicated and verified. With a single click, the network is setup as configurations are pushed to multiple wireless LAN switches, controllers and MAPs via secure HTTP to set up the wireless LAN Mobility System.

Additionally, the system can be used to track configuration changes, initiate system-wide upgrades, manage software images and archive past revisions all from a centralized management location. This substantially reduces the frequent errors and inefficiencies associated with manual wireless LAN deployments, saving additional time and money.

## KEY BENEFITS (CONTINUED)

### DELIVERS COMPREHENSIVE CONTROL OF THE RF ENVIRONMENT

Once installation is complete, the Wireless LAN Switch Manager enables simple and accurate operation of the entire wireless LAN. RF sweeps can be conducted on a schedule, continuous or on-demand basis enabling you to stay aware of all activities occurring in the air space. This RF monitoring detects and locates rogue access points, ad-hoc networks or other RF interferers. Additionally, the software can automatically adjust MAP power to eliminate coverage gaps and further optimize RF performance. The Wireless LAN Switch Manager provides the control to monitor and record real-time data enabling dynamic tuning and balancing of the wireless LAN with precision.

### PROVIDES ENHANCED SECURITY AND SEAMLESS MOBILITY

Building on the strong wireless security features of AES, TKIP and WEP encryption combined with WPA and IEEE 802.1X authentication, 3Com Wireless Switch Manager can fully manage, secure and track on a per-user or per-group basis all services on the wireless network. With this Identity-Based Networking capability, IT managers can have confidence in the enhanced security of their wireless LAN networks through improved user group authenticated access control, consistently enforced roaming policies and monitored bandwidth usage. The result is seamless user mobility and freedom to connect securely and roam.

The Wireless LAN Switch Manager helps ensure the wireless LAN stays secure. Collected user and network statistics provides the increased ability to evaluate a mobile community by monitoring who's connected, where they are, where they've been and what services they've used.

## FEATURES

### CUSTOMIZED, AUTOMATED SITE PLANNING TOOLS

#### **Eliminates time-consuming site surveys and MAP layout guesswork>**

Based on your specific building layout, the optimal quantity and placement of MAPs can be determined to optimize network performance.

**Customized to your building requirements>** Import your building's blueprints from popular 3D graphics programs.

**Planning tool factors-in effect of common RF attenuators>** Apply attenuation effects of common building structures, based on included extensive library of standard building obstacles. Built-in formulas automatically determine optimal MAP location and number, eliminating countless hours of trial and error.

**Automatic coverage and capacity planning>** Take the guesswork out of coverage and capacity planning before deployment with integrated algorithms designed to optimize the performance of applications and hardware.

**Determine equipment placement effects>** Test alternate scenarios virtually without manually moving equipment.

**Provides accurate placement diagrams>** Convert design plans into accurate site plans and work orders, greatly reducing the chance for installation errors.

## FEATURES (CONTINUED)

### EASY CONFIGURATION, VERIFICATION and DEPLOYMENT

**Automatically create MAP configuration files**> Convert design plans into configuration data for MAPs, including individual RF power-levels and radio channel assignments.

**One-step system-wide configuration**> Centralized deployment reduces configuration time and errors. One click sends all selected individual configurations to each MAP, eliminating the need to manually configure each MAP.

**Centralized configuration management**> Supports configuration version archives for accurate consolidated historical information. Provides for easy centralized upgrades that can be deployed with a click, with the ability to verify and synchronize configurations as needed. Archives allow for easy network rollbacks.

**Location independence**> Wireless controller and MAPs operate as an integrated infrastructure even in distributed remote networks, making it easy to expand or modify the WLAN as needed. Overlays any Layer 2 or Layer 3 wired topology, with no hardware or backbone changes for cost-effective installation.

**Flexible, scalable architecture support**> As needed, easily add additional MAPs, Controllers or Switches utilizing the distributed configuration mechanism.

### COMPREHENSIVE CONTROL OF RF ENVIRONMENT

**Continuous, scheduled, or on-demand RF sweeps**> Run sweeps as needed to detect and locate rogue APs, users and ad-hoc networks. Verify your current RF coverage and topology with integrated mapping tools. Adjust individual MAP gain as needed.

**Locate users on floor plan**> Locate users, track roaming history and control individuals bandwidth utilization as needed.

### STRONG, EFFECTIVE MANAGEMENT

**Extensive system-level statistics**> Provides Ethernet statistics, including errors and traffic, down to packet size, radio statistics and user session statistics, preserved as users roam across multiple MAPs, all with easy viewing tables and graphs for quick identification of trends.

**Fault and event viewer for controllers, switches and MAPs**> Powerful and flexible filtering to drill down on specific events, plus event correlation evaluations.

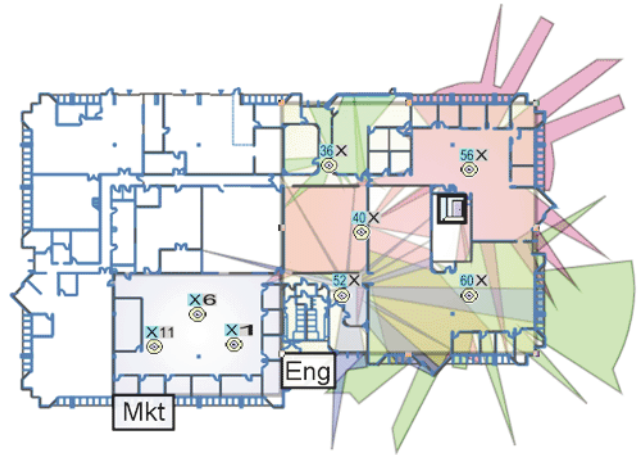
**Automatic alerts for configuration changes**> Wizard interface prompts for resolution of conflicts.

**Secure location-independent management**> Enables IT staff to securely manage the WLAN from anywhere. Integrates with enterprise management tools such as 3Com Network Director and HP OpenView. Secure management through Web browser via SSL or HTTPS, or command line interface via SSHv2 or Telnet.

**Centralized policy management**> Create user or group policies that allow or deny network access in different parts of the network for secure seamless roaming. Helps ensure that only authorized users access the network.

## KEY APPLICATIONS

The 3Com Wireless Switch Manager graphical user interface provides real-time MAP RF coverage and capacity information, as well as prospective RF coverage when in planning mode.



## SPECIFICATIONS

### SYSTEM REQUIREMENTS

Workstation: IBM-compatible PC with network adapter card and Internet connection (2.4 GHz Pentium 4 or higher minimum)  
 Memory: 1 Gb min  
 Hard disk free space: 1 Gb min  
 Monitor: SVGA monitor, 256 colors, 1024 x 768 24-bit color min (1600x1200 24-bit color recommended)

### OPERATING SYSTEMS

Windows XP Professional (SP1 or greater)  
 Windows 2000 Professional (SP4 or greater)  
 SUSE Linux 9.1  
 Red Hat WS 3

### CONTROLLER/SWITCH SUPPORT

Up to 10 WX4400 controllers, WX2200 controllers, WX1200 switches and/or WXR100 switches in any combination  
 Support can be increased by purchasing an upgrade license (see Ordering Information)

### PACKAGE CONTENTS

3Com Wireless Switch Manager software license  
 Getting Started Guide  
 Administrator's Guide  
 Release Notes  
 Warranty booklet

### WARRANTY AND OTHER SERVICES

Limited Software Warranty for 90 days  
 90 days free telephone technical support  
 Refer to [www.3com.com/warranty](http://www.3com.com/warranty) for details

## ORDERING INFORMATION

### PRODUCT DESCRIPTION

3Com Wireless LAN Switch Manager  
*[supports up to 10 3Com wireless LAN controllers and/or switches]*  
 3Com Wireless LAN Switch Manager Upgrade<sup>1</sup>

### 3COM SKU

3CWXM10A  
 3CWXMUPA

### 3Com Wireless LAN Controller and Switches

3Com Wireless LAN Controller WX4400	3CRWX440095A
3Com Wireless LAN Controller WX2200	3CRWX220095A
3Com Wireless LAN Switch WX1200	3CRWX120695A
3Com WXR100 Remote Office Wireless LAN Switch	3CRWXR10095A

### 3Com Wireless LAN Managed Access Points

3Com Wireless LAN Managed Access Point 3750	3CRWX375075A
3Com Wireless LAN Managed Access Point 2750	3CRWX275075A

### 3Com Global Services

3Com Wireless LAN Site Survey, Network Health Check,  
 Installation Services and Express<sup>SM</sup> Maintenance [www.3com.com/services\\_quote](http://www.3com.com/services_quote)  
 3Com University Courses [www.3com.com/3comu](http://www.3com.com/3comu)

<sup>1</sup> Upgrades 3CWXM10A to support a suggested limit of 64 wireless switches and/or controllers.

Visit [www.3com.com](http://www.3com.com) for more information about 3Com secure converged network solutions.

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 3Com is publicly traded on NASDAQ under the symbol COMS.

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