Integrated Wireless Management System (IWMS)

SOHOware's Integrated Wireless Management System (IWMS) is a powerful suite of tools for setting up, securing, monitoring, and maintaining SOHOware public access networks. Based on the industry-standard Simple Network Management Protocol (SNMP), IWMS was designed with the special requirements of wireless networks - and the advantages of SOHOware public access solutions - in mind. By implementing an integrated management system, MSOs can maximize commercial deployment satisfaction and revenues while minimizing operating expenses for network management.

IWMS provides network administrators with tools that allow them to:
- Manage entire SOHOware public access networks from a single location
- Configure and manage SOHOware wireless devices quickly
- Secure the wireless network against unauthorized access
- Remotely monitor device and network status and their performance
- Adjust, store, and retrieve device settings, and propagate them to any number of devices

IWMS Features

Parameter Management Features

Automatic Discovery - Instant location and identification of all SOHOware wireless devices, and reporting of their status.
Bulk Configuration - Allows the propagation of operating parameters to any number of designated wireless devices. The entire network can be updated in seconds from a single location.
Auto IP Assignment - Keeps the network operating in the event of a DHCP server failure. If the server goes down, SOHOware wireless devices will automatically generate new IP addresses in a single private subnet to maintain network functionality.
Host Table Administration - Provides maximum flexibility for large scale deployments of SOHOware wireless devices. Relieves administrators of worries about physical constraints.
Sorting - Organizes device lists as preferred by the administrator, to focus on desired device or domain quickly and easily.

Security Features

MAC-based Authentication - Allows or denies access to the network on the basis of MAC identifiers hard-coded into each wireless device.
SNMP Access Control - Prevents unauthorized access to administrative settings for the network and devices.
WEP Encryption - 40- and 128-bit Wired Equivalent Privacy encryption selections are available for secure WLAN data transmission.
Secure SSID - Lets administrators disable Service Set IP broadcasts to prevent unauthorized clients from associating with wireless access points.
User Authentication - Allows password-based authentication without the need for an authentication server.

Performance Monitoring Features

Antenna Alignment Utility - Simplifies the alignment of directional antennas for building-to-building bridge installation and maintenance.

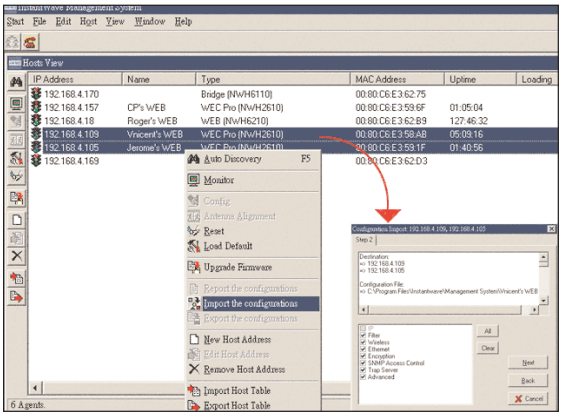
Protocol Filtering - Allows for specified protocols to be blocked from access to the wireless network, saving bandwidth and increasing overall network security.

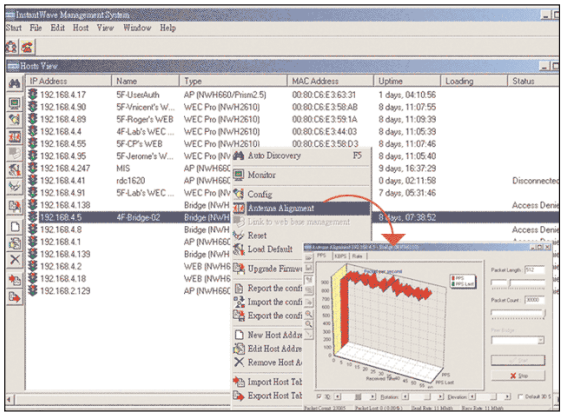
Trap Server - Simplifies network monitoring via SNMP commands, providing real-time performance status that helps reduce network downtime.

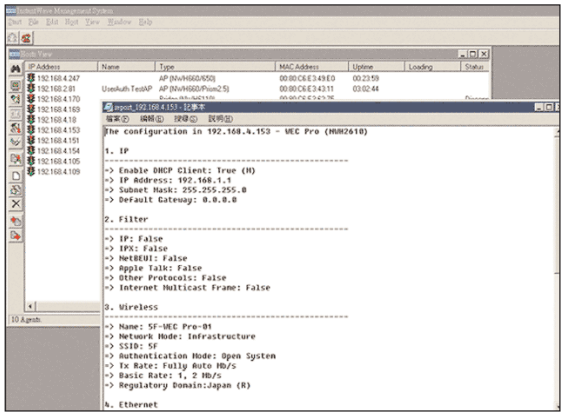
Configuration Report - Administrators can select from a variety of device status report formats as best reflects their specific needs.

Graphical User Interface Features

Simple intuitive graphical user interface facilitates installation and monitoring of the installed wireless network. Several task specific screens available.







Interface and Operating-System Support

Managed Devices	All SOHOware manageable devices: NWH660 Wireless Access Point NWH2610 Wireless Ethernet Client NWH6110 Wireless Building-to-Building Bridge NWH6210 Wireless Workgroup Bridge
Wireless Data Rate Support	11Mbps (max.) with 5.5/2/1Mbps auto fallback
Management Interface	10Base-T Ethernet: NWH660, NWH2610, NWH6110, NWH6210 RS-232: NWH660 IEEE802.11b wireless Ethernet: NWH660, NWH2610, NWH6110, NWH6210
IWMS Software OS Support	Windows 95/98/Me/NT4.0/2000 and XP