

Application Note: Selecting the Right Wireless Security Strategy

SOHware offers tailored Access Point and NIC solutions to meet different application needs.

November 2003

Today's wireless LAN systems offer a variety of security schemes either to protect wireless transmission privacy, or block unauthorized access to the network, or do both. No one solution is appropriate for every application. SOHware wireless solutions include a range of Access Points and their associated NICs in paired combinations to meet specific security needs.

Methods of Security

Encryption: protects wireless transmissions from eaves dropping to maintain content privacy. Methods employed include:

- WEP
- TKIP

Authentication: blocks unauthorized access to a network through a connected wireless Access Point using various login schemes:

- MAC filtering
- EAP/802.1x – requires Enterprise RADIUS data base

Matching Scheme to Application

SOHware offers wireless Access Points and NICs that work together to support one or more of these security methods including WPA. Select the system that best suites your application, whether for home office, small office or Enterprise business.

Application	Access Point	NIC	Security Scheme
Home Office	NWH2220	PC Card NWH1022	Enhanced 64/128/256 Bit WEP
		PCI Card NWH630	
Small Office	S-EW7206	PC Card S-GW9106	64/128 Bit WEP, TKIP
		PCI Card S-GW9126	
Enterprise LAN	NWH660	PC Card NWH1012	64/128 Bit WEP, 802.1x
		PCI Card NWH3012	

Additional Feature Details

SOHware wireless LAN solutions offer more than basic 128 Bit WEP to secure wireless communications.

Home Office:



NWH2220 Access Point
NWH1022 PC Card

- *4X enhanced data rate up to 22Mbps*
- *Enhanced 256 Bit WEP level*
- *Simple install and configure utilities*

Small Office:



S-EW7206 Access Point
S-GW9106 PC Card
S-GW9126 PCI Card

- *TKIP enhanced encryption*
- *Flexible mode options (AP/Bridge/Client)*

Enterprise Office:



NWH660 Access Point
NWH9210 Access Point
NWH1012 PC Card
NWH3012 PCI Card

- *Advanced 802.1x support*
- *SNMP Management Access Control*
- *IWMS WLAN management utility*
- *Enterprise performance and design*