



Product Overview

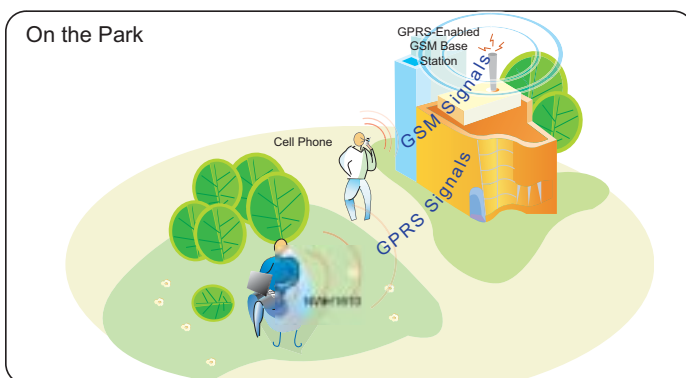
The NWH1610 GPRS WLAN Card allows high-speed connections to GPRS-enabled cellular networks all over the world, as well as to wireless LANs in offices, homes, and public hotspots. An included utility makes establishing and switching between GPRS and WLAN links quick and easy. Compliant with the GPRS and IEEE 802.11b standards, suitable for notebooks, laptops, and other mobile devices with PCMCIA slots, capable of always-on connections the NWH1610 is ideal for everyone who needs to keep in touch.



Key Features and Benefits

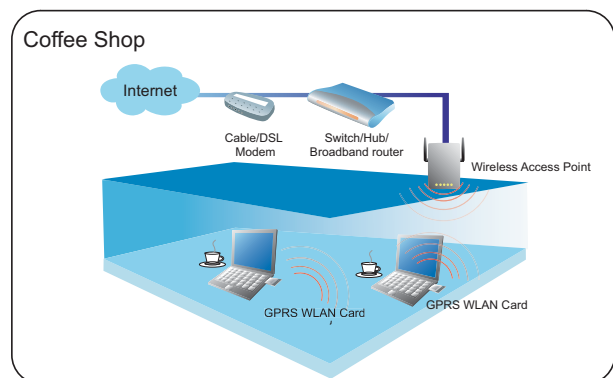
1. **GPRS Connectivity:** The NWH1610 utilizes strong GSM encryption/decryption and authentication mechanisms for safe, secure access to cellular networks and the Internet. Operation is just like using a dial-up modem.
2. **WLAN Private Network Access:** The method of operation is the same as that of today's widely-used 802.11b wireless adapters.
3. Support SMS application
4. Comprehensive Management Tools, including:
 - Site Survey Tool: Scans and displays access points by both SSID ("domain name") and MAC address.
 - Network Profile Manager: Saves time and effort. Lets you switch from a home WLAN to an office WLAN with as little as one click.

GPRS WLAN Card Application Scenarios



GPRS Mode

GPRS networks allow for rapid connectivity to the Internet, sending data in short bursts, or packets when on the move. In a Park, the NWH1610 GPRS WLAN PC card delivers portability to users of laptops and handheld devices needing to access the Internet, e-mail and other data services.



WLAN Mode

When connected to a WLAN access point in the hotspots area, such as coffee shop and the airport, the NWH1610 GPRS WLAN PC card offers connection speeds of up to 11Mbps. Business users can easily send and receive e-mails, and access to the Internet services.





Specifications

GPRS	
Standards Compliance	GPRS multi-slot Class 10, 4 Rx slots, 2Tx slots, 5 Max. active slots
Radio Band	EGSM900(2W) and DCS1800(1W)
Receiver Sensitivity	-102 dBm
Antenna Type	Single dipole

WLAN	
Standards Compliance	IEEE 802.11b
RF Spreading Scheme	Direct Sequence Spread Spectrum (DSSS)
Frequency Band	2.4-GHz Industrial, Scientific, and Medical (ISM) band
Data Rates	Max. 11 Mbps; 11, 5.5, 2, and 1Mbps with auto fallback
RF Output Power	18 dBm (max.) Frequency stability: ± 25 ppm
Receiver Sensitivity	-82 dBm @ 11 Mbps
Antenna Type	Embedded patch antenna with diversity
Host Bus Interface	PCMCIA
Encryption	64-bit and 128-bit Wired Equivalent Privacy (WEP)
Number of Channels	US and Canada: 11; ETSI Countries: 13; Japan: 14

General	
Environmental	Operating temperature: 0°C to 50°C (32°C to 122°C F) Storage temperature: -30°C to 70°C (-22°C to 158°C F)
Dimensions	123 x 54 x 5 mm
Net Weight	54g
Power Voltage	5 volts $\pm 5\%$
Power consumption:	GPRS:500 mA at GSM power level 5, 2 transmission slots; 250 mA at GSM power level 5, 1 transmission slot WLAN:500 mA (transmitting); 300 mA (receiving)
OS Support	Microsoft Windows 98SE/ME/2000/XP

* Product appearance and specifications are subject to change without prior notice.

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