Socket Go Wi-Fi!™ P500
802.11g CF Wi-Fi Card

Wireless LAN Connectivity for your Pocket PC

If your Pocket PC doesn't have built-in Wi-Fi, and you want a wireless connection that doesn't take forever to load email attachments and webpages, the Socket Go Wi-Fi! P500 is the perfect tool for fast Wi-Fi access. Connect to enterprise, public, and residential Wi-Fi 802.11b/g systems to access the Web, email, and corporate servers at top speed. You can also use the card to create peer-to-peer networks, connect to other Wi-Fi users, and share files.

Included is Socket Wi-Fi Companion, an intuitive and graphical software utility that makes it easy to find and connect to networks from a Pocket PC. Advanced tools such as ping and trace route are provided for the power user.

Bring Go Wi-Fi! Wherever You Go
At work, connect to the backend server from your company warehouse, or tap into your corporate WLAN from a lobby or conference room. Also connect at public hot spots such as airports, hotels, fast food restaurants, and cafés, which typically offer wireless Internet based on the Wi-Fi 802.11b standard. At home, enjoy the comfort and convenience of wireless Internet whether you're working in your home office or relaxing on the sofa.

Backwards Compatibility
Most Wi-Fi networks today use 802.11b technology. 802.11g improves upon 802.11b by increasing data rates to 54 Mbps within the 2.4 GHz band. Because 802.11g was designed for backwards compatibility, the card interfaces directly with 802.11b access points and vice versa.

Security and Authentication
The Socket Go Wi-Fi! P500 works with a variety of WLAN security protocols, including open systems, 40/64-bit and 128-bit WEP encryption, and networks with enhanced security, such as AES, CCX v2, WPA2-Enterprise, WPA, WPA-PSK and 802.1x with EAP-TLS/PEAP authentication.*

Low Power Design
The Battery Friendly® Go Wi-Fi! card uses minimal power, so you can stay connected longer without recharging your mobile computer. When connected to a WLAN, the card is in listening mode about 90% of the time with occasional short bursts of data and draws less than 20 mA. Socket's software also has a Power Save utility with an automatic power save option.

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The graphical main screen displays connection properties at a glance. Tap icons to quickly perform related functions.

Tap on a WLAN in the list to quickly connect.

SPECIFICATIONS:

Physical Characteristics:
Card Size: 56.1 x 42.8 x 3.3 mm
Total Mass: 13.6 g
Inserted portion of card is Type I CF

Power Consumption (3.3 V Supply):
Idle: <20 mA
Transmission: 265 mA (peak)

Transmit Power:
CCK: 16.5 dBm typical
OFDM: 14.5 dBm typical

Hardware Support:
Type I CompactFlash slot of Pocket PCs running Windows Mobile 2003/2003SE/5.0, including devices from Asus, DAP, Datastrip Dell, HP, TDS, etc.

Standards Conformance:
- Wi-Fi Certified — Enterprise Edition
- Meets 802.1x requirements
- WPA2-Enterprise
- CCX v2
- IEEE 802.11b and 802.11g
- CompactFlash Specification 2.0

802.11g: Data rate dynamically shifts between 54, 48, 36, 24, 18, 12, 9 and 6 Mbps.* (802.11g: OFDM with BPSK, QPSK, 16-QAM and 54-QAM (at 6/9, 12/18, 24/36, and 48/54 Mbps, respectively))

802.11b: Data rate dynamically shifts between 11, 5, 5M, 2M, and 1 Mbps.* (802.11g: DSSS with BPSK, QPSK, and CCK (at 1, 2, and 5.5/11 Mbps, respectively))

Frequency Range, Operating Channels:
- *North America:*
    2.412-2.462 GHz, channels 1-11
- *Europe ETSI:*
    2.412-2.472 GHz, channels 1-13
- *Japan:*
    2.412-2.484 GHz, channels 1-14

Access Protocol:
Carrier Sense Multiple Access with Collision Avoidance Protocol (CSMA/CA)

Indoor Range: ~ 300 feet (typ. office env.)

Operating Temp: 0 to 70° C (32 to 158° F)

Storage Temp: -20 to +85° C (5 to 185° F)

Certification/Compliance:
FCC: Part 15, Class B   *CE:* EN55024:1998
Industry Canada: RSS210   *TELEC:* pending

Tx Maximum Radiated
CCK: 15 dBm (est.)   *EIRP:* 15 dBm (est.)

Warranty: Three years

Software Features:
Download software free from Socket's web:
www.socketcom.com/support/support_wlan.asp

- Compatible with Windows Mobile 2003/ 2003SE/5.0
- Works well with all WLAN security protocols supported by Windows Mobile:
  - 40/64-bit and 128-bit WEP encryption
  - 802.1x with EAP-TLS or PEAP authentication
  - AES, WPA2, WPA and WPA-PSK

For information about external antennas or support for MontaVista Linux and Real-Time Operating Systems, submit an inquiry online:
www.socketcom.com/contact/note_contact. asp?EmailID=4&Status=Sales&Product=WiFi

*Based on signal strength, for maximum availability and reliability of connection

FOR ADDITIONAL PRODUCT INFORMATION:

Website: www.socketcom.com

Ordering Information:
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Europe   SKU# WL6012-678
Japan   SKU# WL6014-680

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