

Socket® Go Wi-Fi!™ P300

802.11g SDIO 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! P300 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.



*Shown
actual size*

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.

Fast Roaming

Socket has implemented a fast roaming feature that enables users to roam from one access point to another in less than 200 ms. This enhances the overall VoIP WLAN experience for mobile users in a closed Wi-Fi environment.

Security and Authentication

Socket Go Wi-Fi! P300 works with a variety of WLAN security protocols, including open systems, 40/64 and 128-bit WEP encryption. It can also connect to networks with enhanced security, such as industry-standard AES, WPA2-Enterprise, WPA, WPA-PSK and 802.1x with EAP-TLS or PEAP authentication.*

Low Power Design

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

FEATURES

- Wi-Fi certified, Enterprise Edition — compatible with 802.11b/g Wi-Fi approved WLAN products
- Fast roaming enables users to move from one access point to another in less than 200 ms
- Supports infrastructure WLAN and Ad Hoc peer-to-peer connectivity
- Supports Radio On/Off feature - Airplane mode
- Supports AES, WPA2-Enterprise, WPA, WPA-PSK and 802.1x (EAP-TLS or PEAP) on devices running Windows Mobile 2003/2003SE/5.0*
- Power saving mode minimizes power usage while maximizing data throughput when needed
- LED on card shows connection status
- Supports voice over Wi-Fi feature with Skype software (service not included)
- SDK supports third party application developers to rapidly create and integrate Wi-Fi

SOFTWARE FEATURES

- Socket Wi-Fi Companion is compatible with Windows Mobile 2003/2003SE/5.0
- User-friendly graphical interface shows connection properties at a glance. Tap on icons to quickly view IP addresses, install security certificates, find WLANs in range, and perform other basic functions
- Wi-Fi Finder provides detailed information about networks in range. You can filter and sort through the list to find the WLAN you want
- Power Save utility includes automatic power management option
- Ping and trace route utilities are useful troubleshooting tools for advanced users. Comprehensive statistics are displayed in handy graphs and tables



*In order to use AES and WPA2 functionality with this card you will need the mtghouse AEGIS Client:
(http://www.mtghouse.com/products/free_trial_form.asp)

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In graphical main screen, quickly view key connection and device properties, connect to a WLAN, launch email or the Internet, and access advanced diagnostic tools.



Tap on a WLAN in the list to quickly connect.

SPECIFICATIONS:

Physical Characteristics:

Card Size: 40 x 24 x 2.1 mm

Weight: 0.2 oz (6 g)

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:

- SDIO slot of Pocket PCs and other devices running Windows Mobile 2003/2003SE/5.0, including devices from Asus, Dell, HP, i-mate, Palm, Symbol, etc.
- Windows Mobile 2003/2003SE devices must have SDIO Now! software from BSQUARE in ROM

Standards Conformance:

- Wi-Fi Certified — Enterprise Edition
- Meets 802.1x requirements
- WPA2-Enterprise (certification pending)
- IEEE 802.11b and 802.11g
- SDIO 1.1 or greater

802.11g: Data rate dynamically shifts between 54, 48, 36, 24, 18, 12, 9 and 6 Mbps.* 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, 5.5, 2, 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

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:

North America SKU# WL6217-664

International SKU# WL6219-666

Sales Offices - Corporate Headquarters:

37400 Central Court, Newark, CA 94560 USA

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