



BLUETOOTH® COMMUNICATIONS SOFTWARE FOR WINDOWS MOBILE™

FEATURES

- Bluetooth® 2.0 + EDR-compliant protocol software for Microsoft® Windows Mobile™ platforms
- Optimized for use with Blutonium® silicon solutions
- Support for CompactFlash®, UART, and USB hardware implementations
- Support for ARM®/StrongARM, XScale®, and OMAP™ microprocessors
- Bluetooth profile support includes: GAP, SPP, GOEP, DUN, FTP, OPP, HSP/Audio Gateway, HFP (Phone Edition only), HCRP, BPP, HID, GAVDP, A2DP, BIP, and AVRCP
- Legacy ActiveSync® support via SPP
- Spy trace tool for monitoring Bluetooth activity
- User applications including Bluetooth Manager and Connection Wizard
- Intuitive implementation assists users in establishing Bluetooth connections to headsets, hands-free kits, personal computers, and personal digital assistants
- Software supports landscape mode and VGA resolution
- Software localized to ten languages
- System integration assistance to ensure successful Bluetooth implementation
- Documentation includes OEM Interface Document and Porting Guide

SUMMARY OF BENEFITS

- **Complete Software Solution**
The BCM1000-WCE is a complete turnkey software solution that includes the upper layer Bluetooth protocol stack including profile support, hardware interface drivers, as well as user interface and integration support to ensure the successful launch of Bluetooth-enabled Windows Mobile devices. In addition, Broadcom offers application programming interfaces (APIs) to allow third-party application providers to write Bluetooth-enabled applications for Windows Mobile platforms.
- **Optimized for use with Broadcom® Blutonium Bluetooth Solutions**
The BCM1000-WCE has been optimized for use with Blutonium silicon solutions. By offering a total software and hardware solution, Broadcom can ensure product functionality and enable fast time-to-market.
- **Interoperability Assurance**
Broadcom is a leader in both conformance testing and interoperability. Broadcom is the first company in the world to receive a Bluetooth Qualification Body (BQB) product listing, the first ever 1.0b-qualified Bluetooth protocol stack with profiles, and a major participant at the Bluetooth UnPlugFest events. Broadcom has consistently demonstrated Bluetooth wireless technology solutions between PDAs, PCs, and various embedded devices.
- **Support and Training**
As a premier Bluetooth wireless technology company, Broadcom provides a wide array of services, from extensive technical support and product training to conformance assistance.

HP iPAQ hw6900 Windows Mobile Using Bluetooth Wireless Technology



OVERVIEW

The BCM1000-WCE is a Broadcom communications software solution for adding Bluetooth wireless technology to Windows Mobile/ Pocket PC operating system platforms. PDA OEMs and electronics manufacturers can quickly and easily add Bluetooth capabilities to mobile devices and other electronic products that utilize the Windows Mobile operating system. This innovative software solution is fully compliant with the Bluetooth 2.0 + Enhanced Data Rate (EDR) core protocol specification and leverages BQB conformance testing into your product.

The BCM1000-WCE is designed for Microsoft Windows Mobile 2005 for Pocket PC and includes the Bluetooth protocol stack, application programming interfaces (APIs), hardware interfaces, user application programs, support and trace tools, and documentation. The BCM1000-WCE is designed to operate on both Pocket PC and Pocket PC Phone Edition platforms. Leveraging Broadcom BCM1200-BTE (Bluetooth for Embedded) and BCM1000-BTW (Bluetooth for Windows) products, the BCM1000-WCE provides simple integration, powerful diagnostics, and the shortest possible time-to-market—exactly what you would expect from the experts at developing Bluetooth wireless communication solutions.

Specifications

Bluetooth Wireless Interface	Compliant with Bluetooth Core Specification Version 2.0 + EDR
Bluetooth Profiles Supported	<ul style="list-style-type: none">• Generic Access Profile (GAP)• Serial Port Profile (SPP)• Generic Object Exchange Profile (GOEP)• Object Push Profile (OPP)• File Transfer Profile (FTP)• Dial-up Networking Profile (DUN)• LAN Access Profile (LAP)• Personal Area Network Profile (PAN)• Headset Profile (HSP)• Basic Printing Profile (BPP)• Hardcopy Cable Replacement Profile (HCRP)• ActiveSync (via Serial Port Profile)• Hands-Free Profile (HFP)• Human Interface Device Profile (HID)• Generic Audio Video Distribution Profile (GAVDP)• Advanced Audio Distribution Profile (A2DP)• Audio Video Remote Control Profile (AVRCP)• Basic Imaging Profile (BIP)
Operating Systems Supported	Windows Mobile 2005 for Pocket PC and Pocket PC Phone Edition
Hardware Implementations	UART, CompactFlash, and USB
Bluetooth Hardware Support	Various Bluetooth-compliant chipsets
Target Hardware Platform	ARM/StrongARM, XScale and OMAP
User Applications	Bluetooth Manager, Connection Wizard, Configuration Panel
Localization Support	English, Brazilian Portuguese, Simplified Chinese, Traditional Chinese, French, German, Italian, Japanese, Korean, and Spanish
Installation	Installation scripts provided

Note: Specifications subject to change without notice.

Broadcom®, Blutionium®, the pulse logo, Connecting everything®, the Connecting everything logo, and Poxel™ are among the trademarks of Broadcom Corporation and/or its affiliates in the United States, certain other countries and/or the EU. Any other trademarks or trade names mentioned are the property of their respective owners.

Connecting
everything®



BROADCOM CORPORATION
16215 Alton Parkway, P.O. Box 57013
Irvine, California 92619-7013

© 2006 by BROADCOM CORPORATION. All rights reserved.

1000-WCE-PB04-R 09/05/06

Phone: 949-450-8700
Fax: 949-450-8710
E-mail: info@broadcom.com
Web: www.broadcom.com