

## Product Update Notice

### Dolphin® 9500 Series Supports Windows Mobile™ 2003 Second Edition Software for Pocket PCs

April 19, 2005

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Hand Held Products is pleased to announce support for the Windows Mobile 2003 Second Edition Software for Pocket PCs platform on Dolphin 9500 Series mobile computers.

#### Value Proposition

Windows Mobile 2003 Second Edition Software enhances the user experience by offering an optimized user interface, increased application execution speed and system performance and improved mobile information management and wireless connectivity.



Windows Mobile 2003 Second Edition offers a secure, flexible and intuitive environment to the mobile enterprise user. In addition, standard core hardware requirements and a consistent set of programming APIs provide a consistent application development environment for easy and intuitive programming.

#### New Features

- Updated .NET Compact Framework
  - Faster data reading, writing and parsing
  - .NET applications load and run faster
- Display Enhancements
  - Dynamic screen rotation – Portrait and Landscape modes
  - Global font scaling for setting text size and type across many applications, improving text legibility
- Updated Pocket Internet Explorer
  - One-column view option for easier web browsing
- Today Screen Selection API
  - Improved one-handed operation with terminal keyboard
- Start Menu Changes
  - Most Recently Used (MRU) application List



One-Column Pocket IE View

#### Multiple Platforms in the Dolphin 9500 Series

Windows Mobile 2003 Second Edition Software for Pocket PCs Professional Edition is now the standard offering on all Dolphin 9500 Series mobile computers. Windows Mobile 2003 and Pocket PC 2002 have been removed from the Dolphin 9500 Series Pricing Guide, so that all new orders should be configured with the new platform.

However, Hand Held Products will continue to support Windows Mobile 2003 and Pocket PC 2002 for existing installations.



Large Global Font Scaling

### ***Development Environment***

Dolphin 9500 Series mobile computers support a complete, robust toolset for mobile enterprise application development.

#### **Software Development Kits**

Dolphin SDK Add-On for Pocket PC 2003  
Dolphin .NET SDK for Pocket PC 2003  
Dolphin GSM/GPRS SDK Add-on for Pocket PC 2003



Dolphin 9500 SDK's are used in conjunction with Microsoft's Pocket PC 2003 SDK. Mobile applications can be developed using industry standard development tools including eMbedded Visual C++ 4.0, C#.NET and Visual Basic.NET.

More information on the Microsoft Windows Mobile Pocket PC 2003 SDK can be found at:  
[Windows Mobile Developer Center](#)

### ***Upgrade Program***

For customers upgrading from Windows Mobile 2003, upgrade software is available FREE OF CHARGE. Please contact Hand Held Products' Technical Support Team to obtain the Windows Mobile 2003 Second Edition Upgrade software and Dolphin 9500 Series upgrade instructions at [support@handheld.com](mailto:support@handheld.com) or 1(800) 782-4263.

Customers upgrading from the Pocket PC 2002 platform must order one Windows Mobile 2003 Second Edition Upgrade Kit for each Dolphin 9500 Series mobile computer they wish to upgrade. Please contact your Account Executive to order the Upgrade Kits.

### ***Availability***

The Windows Mobile 2003 Second Edition platform is available to order now. The new platform will be loaded on all new orders of Dolphin 9500 Series terminals and start shipping the week of April 18, 2005.

### ***Pricing Guide***

The Windows Mobile 2003 Second Edition option has been added to the Dolphin 9500 Series Pricing Guide. In addition, Windows Mobile 2003 and Pocket PC 2002 options have been removed from the pricing guide. (Note: Those customers with existing installations that require Windows Mobile 2003 or Pocket PC 2002 should contact their Hand Held Products Account Executive for details on ordering.)

The Windows Mobile 2003 Second Edition Software Upgrade Kit has also been added to the Dolphin 9500 Series Pricing Guide for those customers who want to upgrade from Pocket PC 2002 to Windows Mobile 2003 Second Edition.

The updated Dolphin 9500 Series Price Guide is available for download at [www.handheld.com](http://www.handheld.com) in the Partners Area. Please contact your Account Executive or Customer Account Representative with questions.

If you have questions about this Product Update Notice or the Dolphin 9500 mobile computer, please contact your Account Executive, Customer Account Representative, or respective Solutions Architect.

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## Dolphin® 9500 Series Mobile Computers with Windows Mobile™ 2003 Second Edition Software



### Features

*Windows Mobile 2003 Second Edition Software - Offers a user-friendly, industry standard platform for both developers and users.*

*Rugged, IP64 Sealed Construction - Operates in harsh environments, withstands rough treatment, and protects stored data.*

*Intel® X-Scale™ Processor - Provides faster processing of data collection applications, and image processing.*

*Ergonomic Designs - Facilitates comfortable, single-handed data collection for extended periods of use.*

*Adaptus Imaging Technology - Provides instant point-and-shoot bar code scanning (1D and 2D), signature and digital image capture.*

*Triple Wireless Radio Design (9500) - Integrated WAN, LAN, and PAN for real-time data collection and access to information anytime, anywhere.*

*Lithium Ion Battery - 7.4 volt, 14.8 watt-hour ensures longer operation time with wireless communications and scan-intensive applications.*

*1/4 VGA Color Display With Industrial Touch Screen - Offers enhanced data viewing and application interface.*

*Secure Digital (SD) User - Accessible Memory Interface - Provides the option of installing additional memory for application data storage.*

*Three Intuitive Keyboard Layouts - Customize your data entry for your mobile application solution.*

Dolphin 9500 Series mobile computers deliver unparalleled performance and value for all mobile data collection applications. Their lightweight, ergonomic, and rugged designs provide the ease of use and operational reliability needed to excel in robust mobile applications such as package delivery, field service, route accounting, transportation, warehousing, retail, and industrial/manufacturing.

For maximum speed, efficiency, and usability, the Dolphin 9500 Series comes equipped with the Intel X-Scale processor and Windows Mobile software. The high-performance system architecture is powered by high-capacity, hot-swappable lithium-ion battery packs, enabling Dolphin 9500 Series terminals to operate longer in wireless, scan-intensive environments.

Designed to provide seamless data and voice connectivity for you and your mobile workers, the Dolphin 9500 terminal features an integrated triple-radio design for wireless WAN, LAN, and PAN communications. This state-of-the-art feature provides real-time information access anytime, anywhere, while communicating to any compatible wireless device, improving operational efficiency while ensuring data accuracy and security.

Integrated Adaptus Imaging Technology provides workers with the data capture tools they need to get the job done quickly and efficiently, whether it is scanning a package for delivery, performing an inventory cycle count, capturing a signature for proof of receipt, or taking a picture of damaged goods. The Dolphin 9500 Series performs these tasks and more, extending the capabilities of your mobile applications and workforce.

To learn how Dolphin 9500 Series mobile computers can work for you, contact us at any of the locations listed on the back or visit us at [www.handheld.com](http://www.handheld.com).

# Dolphin 9500 Series Specifications



## System Architecture

**Processor:** Intel X-Scale PXA255 400MHz  
**Development Environment:** Dolphin SDK Add-on for Pocket PC 2003 - supports Embedded Visual C++ 4.0  
Dolphin .NET SDK for Pocket PC 2002 and 2003 - supports Visual Studio.NET 2003 (VB.NET and C#.NET)  
Dolphin GSM/GPRS SDK Add-on for Pocket PC 2003 - supports Embedded Visual C++ 4.0 and Visual Studio.NET 2003  
**Operating Platform:** Windows Mobile 2003 Second Edition Software for Pocket PCs - Professional Edition  
**Third-Party Software:** Support for Connect Terminal Emulation software (TNVT, 3270, 5250), Java Virtual Machine (JVM) Runtime  
**Memory:** 64MB RAM x 32MB non-volatile Flash

## Data Inputs

**Imager:** IMAGETEAM™ 4100SR (Standard Range) with green aimer, decodes from 2.5 to 12.5 in. (6.3 to 32 cm.)  
IMAGETEAM™ 4300SR (Standard Range) with High-Vis laser aimer, decodes from 2.5 to 12.5 in. (6.3 to 32 cm.)  
IMAGETEAM™ 4100SF (Smart Focus) with green aimer, decodes from 2.1 to 8.9 in. (5 to 22.6 cm.)  
IMAGETEAM™ 4300SF (Smart Focus) with High-Vis laser aimer, decodes from 2.1 to 8.9 in. (5 to 22.6 cm.)  
IMAGETEAM™ 4100HD (High Density) with green aimer, decodes from 2.2 to 6.5 in. (5.6 to 16.5 cm.)  
*(Specifications are for 100% UPC Code.)*  
**Laser Scanner (9501/9551):** HP non-decoded reads 5 mil bar codes from 2.75 to 7 in. (.07 to .17 m) and 55 mil reflective bar codes from 5 to 50 in. (.13 to 1.27 m.)  
LR non-decoded reads 10 mil bar codes from 10 to 24 in. (.25 to .6 m) and 100 mil reflective bar codes from 66 to 232 in. (1.67 to 5.9 m.)  
ALR non-decoded reads 13 mil bar codes from 18 to 39 in. (.45 to 1 m) and 100 mil reflective bar codes from 102 to 363 in. (2.6 to 9.2 m.)  
**1D Symbologies Read:** Codabar, Code 3 of 9, Code 11, Code 32 Pharmaceutical (PARAF), Code 93, Code 128, EAN with Add-On and EAN with Extended Coupon Code, EAN-13, Interleaved 2 or 5, Matrix 2 of 5, Plessey, PostCode, RSS, Straight 2 of 5 IATA, Straight 2 of 5 Industrial, Telepen, Trioptic Code, UCC/EAN-128, UPC and UPC-A (Dolphin 9551 scans only 1D symbologies.)  
**2D Symbologies Read:** Aztec, Code 16K, Composite, Data Matrix, MaxiCode, OCR, PDF417, QR Code, RSS  
**Composite and OCR Codes:** Aztec Mesa, Codablock F, EAN-UCC, RSS-14 and OCR-A and OCR-B  
**Postal Codes:** Postnet, Australian, British, Canadian, China, Japanese, KIX (Netherlands), and Korea Post, Planet Code  
**Keyboard:** Three backlit keyboard options: 35-key numeric-shifted alpha, 43-key alpha-shifted numeric, and 56-key full alpha/numeric

## Data Outputs

**Display:** 1/4 VGA (240 x 320 portrait mode) color TFT LCD display OR monochrome display with industrial-grade touch screen  
**I/O Ports:** Mechanical connector supports communication - USB 1.1 and serial RS-232 up to 115Kbps - and charges via cradles  
AC adapter cables, Integrated IrDA port, Integrated audio jack that acts as a speaker and a microphone  
**Mass Storage:** User-accessible Secure Digital memory interface

## Wireless Radio Options

**WLAN:** IEEE 802.11b DSSS Authentication Methodologies: LEAP, MD5, TLS, TTLS, PEAP, and WEP  
**WWAN (9500 only):** GSM/GPRS Tri-band (900, 1800, 1900 MHz) radio with accessible SIM card interface  
**WPAN:** Bluetooth (Class 2)

## Physical

**Dimensions:** 9500/9501 - 9.6"L x 3.45"W x 1.66"D at display (24.53 x 8.76 x 4.23 cm), 2.7"W x 1.5"D at grip (6.9 x 3.8 cm)  
9550/9551 - 9.6"L x 3.45"W x 2.27"D at display (24.53 x 8.76 x 5.76 cm), 2.7"W x 1.5"D at grip (6.9 x 3.8 cm)  
**Weight:** 9500 Terminal - Batch: 19.7 oz. (558 gm), WLAN: 20.2 oz. (573 gm), WPAN: 20 oz. (567 gm), WLAN/WPAN: 20.3 oz. (576 gm)  
9501 Terminal - 22.65 oz. (642 gm), all versions  
9550 Terminal - Batch: 23.4 oz. (663 gm), WLAN: 23.9 oz. (677.5 gm)  
9551 Terminal - 25.8 oz. (732 gm), all versions  
**Operating Temperature:** 14 to 122°F (-10°C to 50°C); can operate down to -20°C with potential degradation in performance depending on the application  
**Storage Temperature:** -4° to 158°F (-20° to 70°C)  
**Humidity:** 95% humidity, non-condensing  
**Electrical Static Discharge:** 15 KVA on all surfaces  
**Impact Resistance:** Withstands multiple 5ft. (1.5m) drops onto concrete  
**Environmental Resistance:** Independently certified to meet IP64 standards for moisture and particle resistance  
**Power:** Lithium-Ion battery technology; 7.4V, 14.8 watt-hour main battery with hot-swappable design for fast replacement in the field  
**Other:** Integrated stylus with optional tether and removable hand strap

## Peripherals/Accessories

**Dolphin HomeBase™** Charging/communications cradle with Auxiliary Battery Well. Data transfer via RS-232 serial or USB ports.  
**Dolphin Mobile Base** Mobile charging/communication cradle. Data transfer via RS-232 serial. Power out at 5 volts for peripheral devices.  
**Dolphin QuadCharger™** Four-slot battery charger that charges four batteries in under four hours. One slot doubles as a battery analyzer.  
**Dolphin Mobile Charger** Charges a Dolphin terminal by plugging into a vehicle cigarette lighter/power port.  
**Dolphin ChargeBase™** Four-slot charging cradle—each slot holds, powers, and charges a terminal.  
**Dolphin Net Base** Four-slot charging/communication cradle designed for Ethernet-based communications.  
**Charging/Comm Cables** USB or serial cables that charge and communicate with the terminal directly, without a cradle.  
**Li-Ion Battery Pack** 7.4V, 14.8 Watt Hour Lithium Ion rechargeable main battery for the Dolphin.

## Regulatory Approvals

**FCC-CE-Radio Country:** US/Canada, R&TTE

LASER LIGHT. DO NOT STARE INTO BEAM.  
CLASS 2 LASER PRODUCT  
1.0 mW MAX OUTPUT/CLASS 2 LASER PRODUCT  
EMERG-1: 1004-A11-A-03  
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 20, dated July 26, 2001.

LASER LIGHT. DO NOT STARE INTO BEAM.  
CLASS 2 LASER PRODUCT  
1.0 mW MAX OUTPUT/CLASS 2 LASER PRODUCT  
EMERG-1: 1004-A11-A-03  
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 20, dated July 26, 2001.

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