

## Dolphin® 9500/9550 Mobile Computer



### Features

*Microsoft® Pocket PC Professional - 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.*

The 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 the Pocket PC platform. The high-performance system architecture is powered by a large capacity, hot-swappable lithium-ion battery pack, enabling the Dolphin 9500 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 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 HHP 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 all these tasks and more, extending the capabilities of your mobile applications and workforce.

To learn how the Dolphin 9500 and 9550 mobile computers can work for you, contact us at any of the locations listed on the back or visit us at [www.hhp.com](http://www.hhp.com).



## System Architecture

<b>Processor:</b>	Intel X-Scale PXA255 400MHz
<b>Development Environment:</b>	Dolphin SDK add-on for Pocket PC 2002 supports Embedded VB or C++®, Dolphin .NET SDK add-on for Pocket PC 2002 supports Visual Studio.NET®, VB.NET®, C#.NET, HHP custom libraries and utilities.
<b>Operating Platform:</b>	Microsoft Pocket PC Professional Edition
<b>Third-Party Software:</b>	Support for Connect Terminal Emulation software (TNVT, 3270, 5250), Java Virtual Machine (JVM ) runtime
<b>Memory:</b>	64MB RAM x 32MB non-volatile Flash

## Data Inputs

<b>Imager/Scanner:</b>	IT4000 Standard Range (SR), with green aimer, decodes from 2.5 to 12.5 in. (6.3 to 32 cm.) OR IT4000 Smart Focus (SF), with green aimer, decodes from 2.1 to 8.9 in. (5 to 22.6 cm.) <i>Specifications are for 100% UPC Code.</i>
<b>1D Symbologies Read:</b>	Code 3 of 9, Interleaved 2 or 5, EAN, Codabar, Code 128, Plessey, Code 11, Code 93, UPC, RSS
<b>2D Symbologies Read:</b>	PDF417, MaxiCode, Data Matrix, QR, RSS Composite, Aztec, OCR
<b>Composite Codes</b>	RSS -14, Codablock F, Aztec Mesa, EAN-UCC
<b>OCR Fonts:</b>	OCR-A, OCR-B
<b>Keyboard:</b>	Three backlit keyboard options: 35-key numeric-shifted alpha, 43-key alpha-shifted numeric, and 56-key full alpha/numeric

## Data Outputs

<b>Display:</b>	1/4 VGA (240 x 320 portrait mode) color TFT LCD OR monochrome display with industrial-grade touch screen
<b>I/O Ports:</b>	Industrial-grade mechanical connector supports communications—USB at 12Mbps, serial RS-232 up to 115Kbps— and charging via cradles or AC adapter cables, IrDA port-Integrated, Speaker-Integrated, Microphone-Integrated, Headset-jack
<b>Mass Storage:</b>	User-accessible Secure Digital memory interface

## Wireless Radio Options

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

## Physical

<b>Dimensions:</b>	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)
<b>Weight:</b>	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) 9550 terminal-Batch: 23.4 oz. (663 gm); WLAN: 23.9 oz. (677.5 gm)
<b>Operating Temperature:</b>	14 to 122°F (-10°C to 50°C); can operate in temperatures down to -20°C with potential degradation in performance depending on the application
<b>Storage Temperature:</b>	-4° to 158°F (-20° to 70°C)
<b>Humidity:</b>	95% humidity, non-condensing
<b>Electrical Static Discharge:</b>	15 kv on all surfaces
<b>Impact Resistance:</b>	Withstands multiple 5ft. (1.5m) drops onto concrete
<b>Environmental Resistance:</b>	Independently certified to meet IP64 standards for moisture and particle resistance
<b>Power:</b>	Lithium-Ion battery technology – 7.4V, 14.8 watt-hour main battery with hot-swappable design for fast replacement in the field
<b>Other:</b>	Integrated stylus with optional tether and removable hand strap

## Peripherals/Accessories

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

## Regulatory Approvals

<b>FCC-CE-Radio Country:</b>	US/Canada, R&TTE
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