

# Dolphin® 9900 Series Mobile Computers

Dolphin 9900 mobile computers are purpose-built for robust mobile data collection and communication solutions - combining a rugged, user-friendly design with a complete suite of technologies to enable maximum mobile user productivity and efficiency.

Seamless connectivity between mobile workers and the enterprise is enabled through integrated wireless WAN and LAN communications for high-speed data transfer and cellular voice communication—anytime, anywhere. Bluetooth® connectivity to any compatible wireless device broadens the mobile worker's capabilities in the field.

Integrated Global Positioning System (GPS) technology enables location-based functionality such as turn-by-turn navigation, and route optimization, and the ability to document proof of visitation or service with a time and location stamp. Combined with the 9900's advanced wireless and data collection technologies, the result is a single comprehensive mobile solution that eliminates the need for deploying multiple devices to the field - reducing cost, easing management, and simplifying your IT structure.

Adaptus® Imaging Technology 5.0 provides workers with the data capture functionality they need to get the job done quickly and efficiently – whether it is scanning a package for delivery confirmation, tracking inventory, electronically capturing a signature for proof of receipt, or taking a picture of damaged goods – one technology gives them the capability they need.

Just as important as the technologies the user puts to work, the innovative power management system ensures they get battery-life that lasts a full work-shift, even in wireless, scan-intensive environments – keeping them productive and reducing the cost of replacement batteries.

Rugged, ergonomic and full-featured, the Dolphin 9900 mobile computer is the right choice where real-time information processing and solution reliability is critical to a company's operation.



powered by  
**Adaptus**  
imaging technology 5.0

## Features

- **Optimal Combination of Industrial-Grade Durability and Usability:** Internal magnesium-alloy roll cage, environmentally sealed housing and specialized wear-resistant components deliver reliability in demanding mobile environments, while an ergonomic design provides comfortable and intuitive use.
- **Wireless Full Area Networking™ (WFAN):** Integrated multi-mode wireless technology includes GSM/E-GPRS and 802.11b/g for real-time data exchange and voice communications on-site or off, plus Bluetooth for efficient wireless connection to peripheral devices.
- **Built-In GPS Technology:** Turn-by-turn navigation, driver route optimization, “bread-crumbling,” geo-fencing, and other location-based applications gives you a powerful tool to enhance the effectiveness of your mobile workforce and gives your enterprise better control over assets in the field.
- **Versatile, High Performance Data Collection:** Adaptus Imaging Technology 5.0 reads linear and 2D bar codes, captures digital images, and enables electronic signature capture - enabling workers to do more with a single device.
- **Shift-PLUS™ Power Management:** Powers scan intensive, real-time wireless applications continuously for 10 hours or more, enhancing productivity while greatly extending useful battery life and reducing replacement costs.
- **Windows Mobile® 6.0:** Industry-standard platform for developers and users ensures ease of integration and intuitive use.

# Technical Specifications



## System Architecture

<b>Processor:</b>	Intel® XScale PXA270 624 MHz
<b>Development Environment:</b>	Honeywell SDK for Windows Mobile 6.0
<b>Operating Platform:</b>	Windows Mobile 6.0
<b>Third-Party Software:</b>	SOTI MobiControl (remote device management), PowerNet™ Terminal Emulation (TNVT, 3270, 5250), and ITScriptNet™
<b>Memory:</b>	256MB RAM X 1GB Flash
<b>Keyboards:</b>	Two in-mold, hard-top keyboard options: 43-key alpha-shifted numeric and 56-key full alpha/numeric

## Data Inputs

<b>Imager/Scanner:</b>	5300 Standard Range (SR) with High-Vis laser aimer 5100 Standard Range (SR) & 5100 Smart Focus (SF) with green aimer <i>Caution - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.</i>	
<b>1D Symbolologies Read:</b>	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, PosiCode, GS1 Databar, Straight 2 of 5 IATA, Straight 2 of 5 Industrial, Telepen, Trioptic Code, UCC/EAN-128, UPC & UPC-A	
<b>2D Symbolologies Read:</b>	Aztec, Code 16K, Composite, Data Matrix, MaxiCode, OCR, PDF417, QR Code, GS1 Databar	
<b>Composite and OCR Codes:</b>	Aztec Mesa, Codablock F, EAN-UCC, GS1 Databar-14 and OCR-A and OCR-B	
<b>Postal Codes:</b>	Postnet, Australian, British, Canadian, China, Japanese, KIX (Netherlands), and Korea Post, Planet Code	

## Data Outputs

<b>Display:</b>	3.5 in. 1/4 VGA (240 x 320 portrait mode) color TFT LCD display with industrial-grade touch panel
<b>I/O Ports:</b>	Industrial I/O connector supports USB 1.1 and serial RS-232 (115 Kbps) communication and charges via cradles, AC adapter cables, Integrated IrDA port, Integrated audio jack that acts as a speaker and a microphone
<b>Mass Storage:</b>	User-accessible Secure Digital memory interface supports memory cards up to 4GB and SDIO

## Wireless Radio Options

<b>WWAN:</b>	GSM Quad-band (850/900/1800/1900MHz) radio with accessible SIM card interface, GSM release 99, EDGE (E-GPRS) multi-slot class 10, GPRS multi-slot class 12
<b>WLAN:</b>	IEEE 802.11b/g CCX v.4 (pending)
<b>WLAN Security:</b>	Wi-Fi (certification pending) - WPA2, EAP, CCXv4 (pending), WEP, LEAP, TKIP, MD5, EAP-TLS, EAP-TTLS, WPA-PSK, PEAP
<b>WPAN:</b>	Bluetooth (Class 2)
<b>GPS:</b>	Integrated GPS (Global Positioning System) receiver with internal antenna supporting SiRFstarIII technology

## Physical

<b>Dimensions:</b>	Wide x Long x Deep: 3.4 in. (8.6 cm.) x 9.6 in. (24 cm.) x 2.1 in. (5.3 cm.)
<b>Weight:</b>	21.4 oz. (606g)
<b>Operating Temperature:</b>	14 to 122°F (-10°C to 50°C); can operate 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 KVA Air & 8 KVA Contact
<b>Impact Resistance:</b>	Withstands multiple 5 ft. (1.5m) drops onto concrete Exceeds 2000 3 ft. (1m) tumbles
<b>Environmental Resistance:</b>	Independently certified to meet IP64 standards for moisture and particle resistance
<b>Power:</b>	2500mAh Extended life main battery with hot-swappable design for fast replacement in the field
<b>Other:</b>	Integrated stylus with tether and removable hand strap

## Peripherals/Accessories

<b>Dolphin HomeBase™ Device:</b>	Charging/communications cradle with auxiliary battery well. Data transfer via RS-232 serial or USB ports
<b>Dolphin Mobile Base™ Device:</b>	Mobile charging/communication cradle. Data transfer via RS-232 serial. Power out at 5 volts for peripheral devices
<b>Dolphin QuadCharger™ Device:</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

## Regulatory Approvals

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