

# Dolphin 6500

## Mobile Computer

Honeywell's Dolphin® 6500 is a lightweight and versatile mobile computer that provides advanced data collection and real-time wireless communication for in-premise applications in retail, supply chain and light-industrial environments.

Integrated 802.11b/g wireless connectivity provides users with access to critical data throughout the enterprise, while Bluetooth® connectivity facilitates efficient wireless connection to peripheral devices. Advanced security protocols ensure data accuracy and security.

Its ergonomic form factor features a tapered keypad that fits easily in any user's hand. A large, color touch screen display allows users to see more of an application on a single screen, enhancing user experience for touch screen based graphical applications. Multiple keypad options—28-key numeric and 52-key full alphanumeric—are available to meet application requirements and user preference.

Built to withstand harsh conditions, the IP54-rated Dolphin 6500 can endure exposure to dust, dirt and splashing water, as well as accidental drops from distances as high as 1.2 meters. The reliable Dolphin 6500 even sustains up to 500 tumbles from 1 meter.

Shift-PLUS™ power management technology ensures 10 or more hours of continuous use, eliminating the need to replace the battery during a single shift.

Powered by Adaptus® Imaging Technology 5.5, the 6500 with the imager option delivers the broadest suite of advanced data capture capabilities, including linear and 2D bar code scanning, digital image capture, and intelligent signature capture, allowing users to increase efficiency and improve customer service.

The Dolphin 6500 offers an optimal blend of performance and reliability, delivering a rapid return on investment for mobile workers operating within-the-four-walls.



## Features

- **Designed for diverse application needs:** Large, color touch screen display and multiple keypad options offer easy, flexible solutions to meet key- or graphics-based data entry requirements
- **Real-Time Wireless Communication:** Advanced integrated 802.11b/g and Bluetooth technology delivers real-time network access to critical information and supports advanced wireless security standards
- **Class-leading PXA300 Microprocessor:** Supports both Microsoft® Windows CE 5.0 and Windows Embedded Handheld 6.5 platforms
- **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
- **Optional Slide-on Handle Accessory:** Provides a productivity-enhancing solution for applications that require high volume scanning such as inventory management and stock replenishment

# Dolphin 6500 Technical Specifications

## Mechanical/Environmental

<b>Dimensions</b>	Standard battery: 200 mm x 83 mm x 41 mm (7.9" x 3.3" x 1.6") Extended battery: 200 mm x 83 mm x 44 mm (7.9" x 3.3" x 1.7") (includes handstrap) At grip: 61 mm (2.4")
<b>Weight</b>	Imager: Standard battery: 12.3 oz (349g); Extended battery: 13.3 oz (377g) Laser: Standard battery: 12.7 oz (360g); Extended battery: 13.7 oz (388g) (includes handstrap)
<b>Operating Temperature</b>	Imager: 14°F to 122°F (-10°C to 50°C) Laser: 14°F to 104°F (-10°C to 40°C)
<b>Storage Temperature</b>	-4°F to 158°F (-20°C to 70°C)
<b>Humidity</b>	95% humidity, non-condensing
<b>Drop</b>	Withstands multiple 4' (1.2 m) drops onto concrete, all axis and across operating temperature range
<b>Tumble</b>	500 3.3' (1 m) tumbles (1,000 drops)
<b>Environmental Sealing</b>	Independently certified to meet IP54 standards for moisture and particle resistance
<b>ESD</b>	Air: ±15 kV; Contact: ±8 kV

## System Architecture

<b>Processor</b>	Marvell XScale PXA300 624 MHz
<b>Operating System</b>	Microsoft® Windows CE 5.0; Windows® Embedded Handheld 6.5
<b>Memory</b>	Windows® CE 5.0: 128 MB RAM X 128 MB Flash; Windows® Embedded Handheld 6.5: 256 MB RAM X 256 MB Flash
<b>Display</b>	3.5" active matrix 65k color LCD with backlight, QVGA (240 x 320)
<b>Keypad</b>	28-key numeric with shifted alpha and backlit keys; 52-key full alphanumeric with backlit keys
<b>Audio</b>	Built-in microphone and speaker, stereo headset jack
<b>I/O Ports</b>	Full speed USB 1.1 from cradle (or I/O cable); RS232 (115 Kbps) from cradle
<b>Application Software</b>	Honeywell Powertools® and Demos
<b>Development Environment</b>	Honeywell SDK for Windows® CE 5.0; Honeywell SDK for Windows® Embedded Handheld 6.5 and Visual Studio 2008
<b>Third-Party Software</b>	SOTI MobiControl (remote device management), Naurtech CETerm™ Terminal Emulation (TNVT, 3270, 5250), and ITScriptNet™ (availability may be limited to choice of operating system)
<b>Storage Expansion</b>	User accessible SD slot with high capacity memory card support (up to 4 GB)
<b>Battery</b>	Li-Ion 3.7 V, 3300 mAh (12.2 Wh)
<b>Expected Hours of Operation</b>	12 hours
<b>Expected Charge Time</b>	Less than 6 hours
<b>Imager/Scanner</b>	Imager: 5100SF, 5100HD, 5300SR, and 5300HD come with Adaptus Technology and Laser Aimer; Laser: IS4813
<b>Decode Capabilities</b>	Imager: Reads standard 1D and 2D symbologies. Laser: Reads standard 1D symbologies
<b>Warranty</b>	1 year for terminals and peripherals

## Wireless Connectivity

<b>WLAN</b>	Dual Mode 802.11 b/g (11 Mbps/54 Mbps) with internal antenna
<b>WLAN Security</b>	Wi-Fi Alliance Certification, Wireless Security Supplicant (DeviceScape), 802.1x, WPA2, EAP, WEP, LEAP, TKIP, MD5, EAP-TLS, EAP-TTLS, WPA-PSK, PEAP, CCXv4
<b>WPAN</b>	Bluetooth® Class II (10 m) v2.0 Enhanced Data Rate (EDR) with on-board antenna. BQB certified

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### For more information:

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