

# Dolphin 6510

## Mobile Computer

The lightweight and versatile Honeywell Dolphin™ 6510 mobile computer provides advanced data collection and real-time wireless communication for in-premise applications in retail, supply chain and light-industrial environments.

Integrated 802.11 a/b/g/n 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 enhance data security.

Its ergonomic form factor features a tapered keypad that fits easily in any user's hand. A large color touchscreen display allows users to see more of an application on a single screen, enhancing the user experience for touchscreen-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 6510 mobile computer can endure exposure to dust, dirt and splashing water, as well as accidental drops from distances as high as 1.2 meters (4 feet). The reliable Dolphin 6510 mobile computer even sustains up to 500 tumbles from 1 meter (3.3 feet).

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

Powered by Adaptus™ 6.0 imaging technology, the Dolphin 6510 mobile computer delivers the broadest suite of advanced data capture capabilities, including 2D barcode scanning, digital image capture and intelligent signature capture, allowing users to increase efficiency and improve customer service.

The Dolphin 6510 mobile computer offers an optimal blend of performance and reliability, delivering a rapid return on investment for mobile workers operating within the four walls.

*The Dolphin 6510 mobile computer delivers advanced data capture and real-time wireless communication for retail, supply chain and light-industrial environments.*

## FEATURES & BENEFITS

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Large color touchscreen display and multiple keypad options offer easy, flexible solutions to meet key- or graphics-based data entry requirements.



Advanced integrated 802.11 a/b/g/n and Bluetooth technology deliver real-time network access to critical information and support advanced wireless security standards.



Class-leading 1 GHz microprocessor supports the Microsoft® Windows® CE 6.0 platform.



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.



Provides a productivity-enhancing solution for applications that require high-volume scanning such as inventory management and stock replenishment.

# Dolphin 6510 Technical Specifications

## MECHANICAL

### Dimensions (L x W x H):

**With Standard Battery:** 200 mm x 83 mm x 41 mm  
(7.9 in x 3.3 in x 1.6 in)

**With Extended Battery:** 200 mm x 83 mm x 44 mm  
(7.9 in x 3.3 in x 1.7 in) – includes handstrap

**At Grip:** 61 mm (2.4 in)

### Weight:

**With Standard Battery:** 349 g (12.3 oz)

**With Extended Battery:** 377 g (13.3 oz)  
– includes handstrap

## ENVIRONMENTAL

**Operating Temperature:** -10°C to 50°C  
(14°F to 122°F)

**Storage Temperature:** -20°C to 70°C  
(-4°F to 158°F)

**Humidity:** 95% humidity, non-condensing

**Drop:** Withstands multiple 1.2 m (4 ft) drops to concrete, all axis and across operating temperature range

**Tumble:** 500 1 m (3.3 ft) tumbles (1,000 impacts)

**ESD:** Air: ±15kV; Contact: ±8kV

**Environmental Sealing:** Independently certified to meet IP54 standards for moisture and particle resistance

## SYSTEM ARCHITECTURE

**Processor:** Texas Instruments OMAP3715 1 GHz

**Operating System:** Microsoft Windows CE 6.0

**Memory:** 512 MB RAM; 1024 MB Flash

**Display:** 8.89 cm (3.5 in) active matrix  
65,000-color LCD with backlight, QVGA  
(240 x 320)

**Keypad:** 28-key numeric with shifted alpha and backlit keys; 52-key full alphanumeric with backlit keys

**Audio:** Built-in microphone and speaker, stereo headset jack

**I/O Ports:** High-speed USB v2.0 (480 Mbps)

**Voice Communication:** Voice-over-IP and Push-to-Talk ready

**Application Software:** Honeywell Power Tools and Demos

**Storage Expansion:** User-accessible SDHC memory card slot. Please check current price guide for available qualified card options

**Battery:** Li-Ion 3.7V, 3300mAh (12.2Wh)

**Expected Hours of Operation:** 12 hours

**Expected Charge Time:** Less than 6 hours

**Imager/Scanner:** Imager: 5603 (Laser Aimer), Standard Range (SR), High Density (HD); Adaptus 6.0 imaging technology

**Decode Capabilities:** Imager reads standard 1D and 2D symbologies

**Warranty:** One-year for terminals and peripherals

## WIRELESS CONNECTIVITY

**WLAN:** 802.11a/b/g/n, Wi-Fi™ certified

### WLAN Security:

Wi-Fi Alliance Certification, Wireless Security Suppliant (DeviceScape), 802.1x, WPA2, EAP, WEP, LEAP, TKIP, MD5, EAP-TLS, EAP-TTLS, WPA-PSK, PEAP, CCXv4

### WPAN:

Bluetooth® Class II (10 m) v2.1 Enhanced Data Rate (EDR) with on-board antenna. BQB certified

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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## For more information

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