

# Dolphin 7800hc

## Enterprise Digital Assistant (EDA)

For demanding healthcare applications such as bedside point-of-care, specimen collection and inventory management, Honeywell's Dolphin® 7800hc rugged enterprise digital assistant (EDA) delivers multi-purpose computing, communication, and data collection at desktop-like speed, driving increased productivity and patient safety.

Healthcare professionals need compact, lightweight devices that are designed for durability and usability. The easy-to-use Dolphin 7800hc enables single-handed operation, allowing healthcare professionals to multi-task seamlessly. Additionally, its compact design fits easily in most pockets without weighing down users. Excellent at resisting the harmful effects of harsh cleaning agents used commonly in healthcare environments, the Dolphin 7800hc is equipped with disinfectant-ready housings that deliver long-term reliability and lower repair costs when compared to devices made from traditional materials.

A large, high resolution screen maximizes productivity and ensures easy viewing of critical patient data. Adaptus® Imaging Technology 6.0 enables omnidirectional, point-and-shoot scanning of linear and 2D bar codes, while an optionally integrated color camera enables seamless image and video capture.

When an oversized industrial-grade mobile computer provides more than what is needed, Honeywell's purpose-built Dolphin 7800hc rugged EDA provides a reliable, affordably-priced alternative that offers versatile data collection and real-time communication for healthcare professionals in a compact and lightweight design.



## Features

- **Disinfectant-Ready Housings:** Optimal for environments where the device must be cleaned frequently with harsh chemicals, and device reliability and longevity are important
- **Lightweight and Compact Design:** Reduces user fatigue by offering all of the functionality needed in an easy-to-carry form factor
- **Rugged and Reliable:** Durable construction and sealing deliver reliable operation and maximize worker uptime
- **Full-Shift Power Management:** Powers scan intensive, real-time wireless applications continuously for a full shift, enhancing productivity
- **Versatile, High Performance Data Collection:** Adaptus® Imaging Technology 6.0 quickly and easily reads linear and 2D bar codes while an optional color camera enables seamless image and video capture
- **Remote MasterMind® Ready:** Reduces total cost of ownership by providing a turnkey remote device management solution that easily manages and tracks usage of installed devices
- **Service Made Simple™ Service Plans:** Offers comprehensive, hassle-free protection on the device investment for up to three years after purchase, lowering the total cost of ownership

# Dolphin 7800hc Technical Specifications

## Mechanical

<b>Dimensions</b>	Extended Battery: 157 mm x 76 mm x 33 mm (6.2" x 3.0" x 1.3")
<b>Weight</b>	Extended Battery: 362 g (12.8 oz)

## Environmental

<b>Operating Temperature</b>	-10° to 50°C (14° to 122°F)
<b>Storage Temperature</b>	-20° to 70°C (-13° to 158°F)
<b>Humidity</b>	0 to 95% relative humidity (non-condensing)
<b>Drop</b>	Designed to withstand 5' (1.5m) drops to concrete
<b>Tumble</b>	Designed to withstand up to 1,600 (1m) tumbles per IEC 60068-2-32 specification
<b>ESD</b>	±15KV Air and ±8KV Contact
<b>Environmental Sealing</b>	Independently certified to meet IP64 standards for moisture and particle intrusion
<b>Recommended Cleaning Solutions</b>	Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®, Isopropyl Alcohol Wipes (70%), Cavi-Wipes, Virex® 256, 409® Glass and Surface Cleaner, Windex® Blue, Clorox® Bleach - 10%, Gentle Dish Soap and Water

## System Architecture

<b>Processor</b>	800MHz TI OMAP
<b>Operating System</b>	Microsoft® Windows® Embedded Handheld 6.5
<b>Memory</b>	256 MB RAM X 512 MB Flash
<b>Display</b>	8.9 cm (3.5") VGA color, high resolution, full axis viewing, sunlight readable display
<b>Touch Panel</b>	Industrial touch panel with 4 wire resistive touch and support for finger touch and stylus
<b>Keypad</b>	Standard Keyboards: 30-key numeric and 46-key QWERTY Custom Keyboards: 30-key calculator-style DSD and 46-key AZERTY, QWERTZ, and Arabic
<b>Audio</b>	Speaker, HAC receiver, microphone, vibrator, echo cancellation, Bluetooth® headset support
<b>I/O Ports</b>	USB 2.0
<b>Camera</b>	Optional 3.0 mega pixel camera; autofocus; flash LED
<b>Sensors</b>	3-Axis/2g Accelerometer
<b>Storage Expansion</b>	User accessible microSD slot (SDHC compatible). Please check with your Honeywell representative for available qualified card options
<b>Battery</b>	Extended: Li-ion 3.7 V, 4000 mAh
<b>Hours of Operation</b>	Extended: 12 hours (decoding and sending data over WLAN every 9 seconds)
<b>Decode Options</b>	Supports the following Adaptus 6.0 imaging scan engines: N5600-HD
<b>Decode Capabilities</b>	Decodes standard 1D and 2D bar code symbologies
<b>Development Environment</b>	Honeywell SDK for Microsoft Windows Embedded Handheld 6.5
<b>HSM Application Software</b>	Honeywell Powertools® and Demos, Remote MasterMind™ for Mobility remote device management
<b>Warranty</b>	1 year factory warranty

## Wireless Connectivity

<b>WLAN</b>	IEEE 802.11 a/b/g/n; Wi-Fi™ certified
<b>WLAN Security</b>	WEP, 802.1x, LEAP, TKIP, MD5, EAP-TLS, EAP-TTLS, WPA-PSK, WPA v2.0, PEAP, WAPI, CCXv4
<b>WPAN</b>	2.4 GHz (ISM Band) Adaptive Frequency Hopping Bluetooth® v2.1 + EDR; Class II: 10m (33') line of sight

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**For more information:**

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