

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 a disinfectant-ready housing, including the handstrap, that delivers 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 Hand-Strap and Housing:** 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

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

Environmental

Operating Temperature	-10° to 50°C (14° to 122°F)
Storage Temperature	-20° to 70°C (-13° to 158°F)
Humidity	0 to 95% relative humidity (non-condensing)
Drop	Designed to withstand 5' (1.5m) drops to concrete
Tumble	Designed to withstand up to 1,600 (1m) tumbles per IEC 60068-2-32 specification
ESD	±15KV Air and ±8KV Contact
Environmental Sealing	Independently certified to meet IP64 standards for moisture and particle intrusion
Recommended Cleaning Solutions	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

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

Wireless Connectivity

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

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For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies



For more information:

www.honeywellaidc.com

Honeywell Scanning & Mobility

Honeywell Building
17 Changi Business Park Central 1
Singapore 786073
Tel: (65) 6355-2828
Fax: (65) 6587-0509

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