Dolphin 99EX

Mobile Computer

Purpose built for transportation and logistics applications, Honeywell's Dolphin® 99EX mobile computer provides user-friendly ergonomics, cutting-edge wireless technology, multi-functional data capture and extreme durability for front-line workers operating in a variety of locations ranging from loading docks to residential doorsteps.

The reliable and intuitive Dolphin 99EX delivers an outstanding feature set that enables improved productivity for mobile workers. Integrated Shift-PLUS™ technology provides all day battery life, minimizing the time and expense incurred when batteries need to be charged or replaced. The Dolphin 99EX is IP67-rated and can withstand multiple 6 feet (1.8 meters) drops to concrete, ensuring years of trouble-free operation.

The 99EX features the latest in wireless technology, including a software-definable radio that allows on-the-fly switching between GSM and CDMA networks, leading to improved network coverage and lower costs related to device provisioning and deployment. Additionally, built-in Wi-Fi provides workers with access to critical data using the new, lightning fast 802.11n standard while still supporting legacy a/b/g protocols.

Integrated motion, light and proximity sensors help conserve battery life and improve ease of use by automatically optimizing the offering for the current environment. Similarly, multiple keypad options are available to ensure that the device is configured to meet diverse data input needs. With additional features such as an ultra-bright 3.7 inch display that can be read, even in direct sunlight, the Dolphin 99EX offers superior usability.

Designed with input from leading companies in the transportation and logistics sector, Honeywell's Dolphin 99EX mobile computer provides a rugged solution that increases productivity by connecting enterprises, front-line workers and customers using real-time wireless communication.

Features

- **Superior Durability:** Incorporates an IP67-rated design that withstands multiple 6 feet drops to concrete and 2,000 1 meter tumbles, resulting in a lower total cost of ownership for enterprises

- **Shift-PLUS Power Management:** Enhances productivity by providing full shift battery life, eliminating the need for employees to carry spare batteries or chargers

- **Adaptus® Imaging Technology 6.0:** Enables multi-functional data capture by providing fast scanning of linear and 2D bar codes with excellent motion tolerance, as well as seamless image capture through use of an integrated color camera

- **Fast and Reliable Wireless Connectivity:** Delivers full wireless coverage for applications inside and outside of the four walls, allowing real-time access to critical data

- **Optimal Combination of Performance and Usability:** Improves ease of use and worker efficiency with a large outdoor-viewable screen, multiple keypad options, a super fast CPU and smart sensors

- **Optional Remote MasterMind® Software Package:** Extends mobile workforce capabilities and reduces total cost of ownership by providing a turnkey remote device management solution

- **Optional Service Made Simple™ Service Plans:** Offers comprehensive, hassle-free protection on the device investment for up to five years after purchase

Dolphin 99EX Technical Specifications

Mechanical/Environmental

Dimensions	8.5˝ L x 2.7˝ W (keypad) x 1.5˝ (standard battery)/1.8˝ (extended battery) 215 mm L x 69 mm W (keypad) x 39 mm (standard battery)/45mm (extended battery)
Weight	Standard battery – 520g (18.3 oz.); Extended battery – 570g (20.1 oz.)
Operating Temperature	-4° to 122°F (-20° to 50°C)
Storage Temperature	-13° to 158°F (-25° to 70°C)
Humidity	95% humidity, non-condensing
Drop	Withstands multiple 6´ (1.8m) drops to concrete, all axis, and across operating temperature range
Tumble	Exceeds 2,000 (1m) tumbles per IEC 60068-2-32 specification
Environmental Sealing	Independently certified to meet IP67 standards for moisture and particle resistance
ESD	Air: ±15 KV; Contact: ±8 KV

System Architecture

Processor	Texas Instruments® OMAP3715 1.0GHz processor
Operating System	Microsoft® Windows Embedded Handheld 6.5 Professional and Classic
Memory	1GB discrete NAND flash x 256 MB RAM
Display	Chemically strengthened 3.7˝ transflective active matrix glass display, VGA (480x640), 333 nits
Touch Panel	Industrial touch panel with resistive touch and support for finger touch and stylus
Keypad	Backlit 55-key alphanumeric, 43-key alpha shifted numeric, 34-key numeric shifted alpha (phone or calculator style)
Audio	Speaker, HAC compliant receiver, microphone
Camera	3.1 megapixel camera with Automated Camera Control (ACC). Features include automated picture profiles, camera Application Programming Interface (API), cooperational use of camera and imager, and flashlight utility
I/O Ports	RS-232/USB 2.0/audio out/charging connector, integrated IrDA port with support for SIR mode
Storage Expansion	User accessible Micro SDHC memory card slot. Please check current price guide for available qualified card options
Battery	Standard – Li-ion, 3.7V, 3060mAh; Extended – Li-ion, 3.7V, 5000mAh
Battery Life	Standard/Extended: 9 hours/15.5 hours (scanning and sending data over WLAN every 9 seconds) Standard/Extended: 8 hours/14.75 hours (scanning and sending data over WWAN every 15 seconds, GPS continuously receiving information)
Imager/Scanner	N5600/5603 Standard range (SR), Extended range (ER), and High Density (HD) imagers with high-visibility laser or green LED aimer. All imagers have 25° angle and come equipped with Adaptus 6.0 Imaging Technology
Decode Capabilities	Reads standard 1D and 2D symbologies
Development Environment	Honeywell SDK for Windows® Embedded
Warranty	1 year factory warranty
Service Plans	Optional three-and five-year Service Made Simple programs offer worry-free mobile computing

Wireless Connectivity

WWAN	Software definable Gobi 3000 (data only) 3.75G radio with five-band UMTS/HSPA+ (800/850/900/1900/2100MHz), quadband GSM/GPRS/EDGE (850/900/1800/1900MHz) and dual-band EV-DO/CDMA (800/1900) support for dual SIM card Voice and data 3.75G radio with five-band UMTS/HSPA+ (800/850/900/1900/2100MHz) and quad-band GSM/GPRS/EDGE (850/900/1800/1900MHz)
WLAN	802.11a/b/g/n, Wi-Fi™ - certified
WLAN Security	WPA, WPA2 (Personal and Enterprise), 802.11x, EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, WMM, CWG-RF Profile, CCX v.4, WAPI
WPAN	Bluetooth® V2.1, support for enhanced data rate 2.0 Mbps & 3.0 Mbps rates class II
GPS	Integrated Assisted GPS (A-GPS) with fast position acquisition and low power consumption

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