Dolphin 99EX
Mobile Computer

Purpose-built for transportation and logistics applications, the Honeywell 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 mobile computer 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 mobile computer is IP67-rated and can withstand multiple 1.8 meter (6 feet) drops to concrete, ensuring years of trouble-free operation.

The Dolphin 99EX mobile computer 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 device for the current environment. Similarly, multiple keypad options are available to ensure that the device is configured to meet diverse data input needs.

The Dolphin 99EX rugged mobile computer turbocharges productivity with all-day battery life and the latest wireless technology.

With additional features such as an ultra-bright 94 millimeter (3.7 inch) display that can be read even in direct sunlight, the Dolphin 99EX mobile computer offers superior usability.

Designed with input from leading companies in the transportation and logistics sector, the 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 & BENEFITS

Incorporates an IP67-rated design that withstands multiple 1.8 meter (6 feet) drops to concrete and 2,000 1-meter tumbles, resulting in a lower total cost of ownership for enterprises.

Enhances productivity by providing full-shift battery life, eliminating the need for employees to carry spare batteries or chargers.

Enables multifunctional data capture by providing fast scanning of linear and 2D barcodes with excellent motion tolerance, as well as seamless image capture through use of an integrated color camera.

Delivers full wireless coverage for applications inside and outside of the four walls, allowing real-time access to critical data.

Comprehensive, hassle-free protection on the device investment – for up to five years after purchase – extends the product life expectancy beyond the norm for consumer-grade devices.

Dolphin 99EX Technical Specifications

MECHANICAL/ENVIRONMENTAL

Dimensions: 215 mm L x 69 mm W (keypad) x 39 mm (standard battery)/45 mm (extended battery) 8.5 in L x 2.7 in W (keypad) x 1.5 in (standard battery)/1.8 in (extended battery)

Weight: Standard battery: 505 g (17.8 oz); Extended battery: 581 g (20.5 oz)

Operating Temperature: -4°F to 122°F (-20°C to 50°C)

Storage Temperature: -13°F to 158°F (-25°C to 70°C)

Humidity: 95% humidity, non-condensing

Drop: Withstands multiple 1.8 m (6 ft) drops to concrete, all axis, and across operating temperature range

Tumble: Exceeds 2,000 (1 m) 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 1.0 GHz processor

Operating System: Microsoft® Windows® Embedded Handheld 6.5 Professional and Classic

Memory: 512 MB RAM x 1 GB Flash

Display: Chemically strengthened 94 mm (3.7 in) transflective active matrix glass display, VGA (480 x 640), 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), 54-key retail and 43-key warehouse

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: One-year factory warranty

Service Plans: Optional three- and five-year Honeywell Repair Services programs offer worry-free mobile computing

WIRELESS CONNECTIVITY

WWAN: GSM (Voice and Data): 3.9G - HSPA+ (800/850/1900/1700/2100 MHz), GSM/GPRS/EDGE (850/900/1800/1900 MHz); Software-definable radio: 3.9G - HSPA+/UMTS (800/850/1900/2100 MHz), GSM GPRS/EDGE (850/900/1800/1900 MHz), EVDO Rev A – 1xRTT/EVDO (800/1900 MHz)

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

WLAN Security: WPA, WPA2 (Personal and Enterprise), 802.1x, 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 and 3.0 Mbps rates class II

GPS: Integrated Assisted GPS (A-GPS) with fast position acquisition and low power consumption

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