Honeywell

Dolphin 99EXni
Mobile Computer

Honeywell Dolphin™ 99EXni mobile computers are certified equipment for use in potentially explosive atmospheres including chemical, oil and gas, life sciences and utilities. Moreover, the Dolphin 99EXni mobile computer provides user-friendly ergonomics, cutting-edge wireless technology, multi-functional data capture and extreme durability.

The reliable and intuitive Dolphin 99EXni 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 99EXni 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 99EXni 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

The Dolphin 99EXni mobile computer is a durable, high-performance device designed for use in hazardous environments.

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

Extremely reliable, well designed and full-featured, the Dolphin 99EXni mobile computer is the right choice for use in hazardous locations where real-time information processing and solution reliability is critical to a company's operation.

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 multi-functional 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.

Certified for use in specified hazardous locations including Class I and II, Division 2, ATEX Zone 2 Gas and Zone 22 Dust by Intertek.

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 99EXni Technical Specifications

MECHANICAL/ENVIRONMENTAL

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

Weight: 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

Hazardous Location:
UL Listing (United States and Canada):
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
ATEX:
Ex II 3 G D Ex ic IIC T6 Gc Ex ic IIIB T88°C Dc (ATEX Zone 2)

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: 1 GB discrete NAND flash x 512 MB RAM

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

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: MicroSD card (support for up to 32 GB)

Battery: Extended: Li-ion, 3.7 V, 5000 mAh

Battery Life: Extended: 15.5 hours (scanning and sending data over WLAN every 9 seconds) Extended: 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), 802.11x, 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 and 3.0 Mbps rates class II

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

LASER LIGHT. DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1.0 mW MAX OUTPUT: 650nM
IEC 60825-1 Ed 2 (2007). pulse duration of 15.5mSec. Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

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