Honeywell | Mobile Computers

Dolphin CK65

Mobile Computer

Extending the popular ergonomic design of the CK3X/R model, the Dolphin™ CK65 Mobile Computer takes the best and makes it even better, giving you the power to put accuracy and productivity in the hands of your workers with a mobile solution that offers easy deployment and fast return on investment.

Built on the Mobility Edge™ platform, the Dolphin CK65 device offers an integrated, repeatable, and scalable approach based on a common hardware and software platform, unleashing customers from constraints faced today around integration and inflexible technologies without sacrificing enterprise security, reliability, performance, or management features.

Juggling multiple devices across the enterprise introduces time- and cost-intensive complexities for Enterprise IT to manage and maintain. The Mobility Edge platform enables customers to accelerate provisioning, certification, and deployment across the enterprise. The Dolphin CK65 device offers an extended product lifecycle across Android™ R to maximize return on customer investment and provide a lower overall TCO. And it's validated by Android Enterprise Recommended, a Google-led initiative that helps businesses confidently select, deploy, and manage Android devices and services best suited to their enterprise needs.

The rugged Dolphin CK65 mobile computer features a fast processor, advanced network connectivity, and enhanced 1D/2D scanning plus extended battery life lasting over 18 hours to keep workers connected and productive throughout multiple shifts. The Dolphin CK65 computer is rated to IP64 and can withstand multiple 2.4 meter (8 ft) drops to concrete and 2,000 1.0 m (3.3 ft) tumbles. The large, vivid 10.16 cm (4 in) touchscreen display can be read easily indoors and used with finger, glove, or stylus, making it ideal for warehouse, manufacturing, and other challenging environments.

Built on the Honeywell Mobility Edge platform and Android, the rugged Dolphin CK65 mobile computer combines touchscreen and keypad data input, real-time connectivity, and advanced data capture for industry-leading investment protection.

FEATURES & BENEFITS

The Mobility Edge hardware platform and enterprise lifecycle tools drive an integrated, repeatable, scalable approach for accelerated and secure development, deployment, performance management, and lifecycle management.

The Dolphin CK65 device provides future-proof investment protection with support for four Android generations, starting with Android 8 (O). Security updates are also available for up to two years after the last Google patch through Honeywell Sentinel.

The large touchscreen with a 38-key numeric keypad with function keys or 51-key alphanumeric keypad supports both legacy key-centric applications and newer touch applications. Keypads allow input in extremely harsh environments and optimize efficiency in all environments.

Rugged construction withstands multiple 2.4 m (8 ft) drops to concrete and 2,000 1.0 m (3.3 ft) tumbles. IP64 ratings against dust and water spray.

Enhanced 1D/2D scanning/data capture with read ranges of 0.15 m to 15.2 m (6 in to 50 ft) typically required in today's warehouses. Optional scan handle for flexibility to switch between handheld and pistol grip operations.

Dolphin CK65 Technical Specifications

SYSTEM ARCHITECTURE

Processor: 2.2 GHz Qualcomm® 64-bit Snapdragon™ octa-core

Operating System: Android 8.0 Oreo (system compatible up to Android R)

Memory: 2 GB/4 GB DDR4 RAM, 32 GB Flash

Display: 10.16 cm (4 in) 480 x 800 bright color LCD with backlight, outdoor readable, optically bonded to touch panel

Touch Panel: Rugged multi-touch capacitive touch panel, optically bonded for extra durability and better sunlight viewability. Automatic detection and configuration utilizing mutual and self-capacitance modes for water rejection and use with many off-the-shelf gloves

Keypad: 51-key alpha or 38-key numeric keypad, plus two programmable side buttons

Audio: Speaker, microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support

I/O Ports: Durable, custom I/O connector compatible with CK3 accessories

Camera: 13.0-megapixel color camera with autofocus and advanced software features for better image quality, f/2.0 aperture, flash LED with flashlight mode

Sensors: Ambient light sensor, accelerometer, gyroscope, hall effect

Storage Expansion: User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

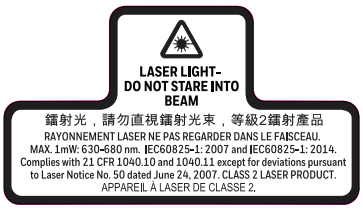
Battery: Li-Ion, 3.7 V, 5100 mAh; 7000 mAh Smart Battery available in June 2019

Hours of Operation: 28 hours

Scanning Capabilities: Honeywell N6703 Slim Imager Engine (1D/2D); Honeywell EX20 Near/Far Imager (1D/2D, 0.15 m to 15.2 m [6 in to 50 ft]); Honeywell Scanning SDKs for Android

Application Software: Honeywell Utilities and Demos

Warranty: One-year limited factory warranty



WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n/ac; Wi-Fi certified 2x2 MIMO support

Additional WLAN Features: 802.11 d/e/h/i/k/r/w

WLAN Security: OPEN, WEP, WPA/WPA2 (Personal and Enterprise)

Supported EAP: TLS, PEAP, TTLS, PWD, LEAP CCX Version 4 certified

Bluetooth: V5.0 with BLE and Backward Compatibility

Bluetooth Profiles: HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

NFC: Integrated Near Field Communication

VoIP: Supported

VPN: IPSec V4/L2TP, PPTP

Push to Talk (PTT): Supported

MECHANICAL

N6703SR Version Dimensions: 22.7 cm x 8.3 cm x 4.2 cm (8.9 in x 3.3 in x 1.7 in)

N6703SR Version Weight: 498 g (17.6oz) with battery pack

EX20 Version Dimensions: 22.7 cm x 8.3 cm x 4.7 cm (8.9 in x 3.3 in x 1.9 in)

EX20 Version Weight: 544 g (19.2 oz) with battery pack

ENVIRONMENTAL

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

Storage Temperature: -30°C to 70°C (-22°F to 158°F)

Humidity: 0 to 95% relative humidity (non-condensing)

Drop: 2.4 m (8 ft) to concrete across temperature per MIL-STD 810G

Tumble: 2,000 1.0 m (3.3 ft) tumbles per IEC 60068-2-32 specification

ESD: ±15 kV Air and ±8 kV Direct

Environmental Sealing: Independently certified to meet IP64 standard for moisture and particle intrusion

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

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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For more information

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