

Dolphin CT50h

Mobile Computer for Healthcare

For healthcare organizations seeking to deliver patient-centered care more efficiently, the Dolphin™ CT50h clinical smartphone empowers clinicians and staff with seamless mobile access

to clinical systems, vital patient data and connectivity to care teams. Purpose-built for highly mobile clinicians, the Dolphin CT50h clinical smartphone combines unparalleled barcode mobile computer capabilities with a rugged, modern smartphone to maximize workforce productivity, task accuracy and return on investment.

As the need for mobility increases in healthcare, connected clinicians need solutions that support communications and access to information while still allowing them to provide patient care. The Dolphin CT50h clinical smartphone is designed to support the most advanced connected mobile user experiences, the latest mobile EMR and nursing applications, and secure care team communication, so workers can more effectively manage a wide variety of tasks throughout their many workflows. Allowing clinicians to be connected while mobile improves the clinical workflow and allows real-time management of alarms or access to patient vitals from anywhere in the hospital.

The Dolphin CT50h clinical smartphone features a quad-core processor and more memory, which means applications will run faster. Battery performance is critical to keeping your care team focused on patients, so the Dolphin CT50h clinical smartphone was designed for full 12-hour shift performance.

Built to last and thrive, the Dolphin CT50h clinical smartphone offers a vivid Corning® Gorilla® Glass protected display in a disinfectant-ready housing.

Featuring a sleek, pocketable design, the Dolphin CT50h clinical smartphone offers a low total cost of ownership and the highest degree of future-proofing. Including a next-generation 2D barcode imager, the Dolphin CT50h clinical smartphone delivers unparalleled data capture performance on linear and 2D barcodes.



The Dolphin CT50h clinical smartphone empowers clinicians to deliver an exceptional patient experience across the continuum of care.

FEATURES & BENEFITS



Best-in-class processing and memory capabilities empower clinicians with instant and reliable access to mission-critical data.



Battery power that lasts a full 12-hour shift, ensuring no downtime for clinicians to swap batteries.



Next-generation 2D imager quickly and accurately reads linear and 2D barcodes on virtually any medium, including vials, syringes, IV bags and patient wristbands.



Disinfectant-ready housing specifically designed to withstand frequent exposure to industry-recommended cleaning solutions.



Powered by Android™ 6.0 Marshmallow, enabling healthcare organizations to maximize IT investments.

Dolphin CT50h Technical Specifications

MECHANICAL

Dimensions: 160 mm L x 82.5 mm W x 19 mm H (6.3 in L x 3.2 in W x 0.75 in H)

Weight: 342 grams (12.1 ounces) with battery pack

ENVIRONMENTAL

Operating Temperature:

0°C to 35°C (32°F to 95°F)

Storage Temperature:

-20°C to 45°C (-4°F to 113°F)

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

Drop: 1.2 m (4 ft) to unyielding steel plate over concrete at room temperature 20°C (68°F)

Tumble: 500 (1 m) tumbles per IEC60068-2-32 specification

ESD: ± 15KV Air and ± 8KV Direct

Environmental Sealing: Certified to meet IP54 standards for moisture and particle intrusion

Disinfectant-Ready Housing: Specifically designed to withstand frequent exposure to industry-recommended cleaning solutions

SYSTEM ARCHITECTURE

Processor: 2.26 GHz Qualcomm® Snapdragon™ 801 quad-core

Operating System: Android 6.0 Marshmallow

Memory: 2 GB RAM, 16 GB Flash

Display: 11.9 cm (4.7 in) 720p high-definition (1280 x 720) bright color LCD with backlight, outdoor viewable, 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 gloves.

Keypad: On-screen keypad, dual side scan triggers, volume up/down, camera, power button

Audio: Speaker, T3/M3 HAC compliant, dual microphone support with noise cancellation; PTT support and Bluetooth® wireless headset support

I/O Ports: Custom IO connector

Camera: 8.0-megapixel color camera with autofocus and advanced software features for better image quality

Sensors: Ambient Light Sensor, Proximity Sensor, Accelerometer, Gyroscope, Magnetometer, Pressure Sensor

Storage Expansion: User-accessible Micro SD card up to 32 GB (SDHC/SDIO compliant)

Battery: Li-Ion, 3.6 V, 4040 mAh with integrated fuel gauge

Hours of Operation: 12+ hours

Decode Capabilities: Honeywell N6600 Slim Imager Engine (1D/2D barcode symbologies), Honeywell SDKs for Android

Honeywell Application Software: Honeywell Powertools and Demos

Warranty: One-year factory warranty

WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n/ac/r; Wi-Fi certified

WLAN Security:

OPEN, WEP, WPA/WPA2 (Personal and Enterprise)
Supported EAP: TLS, PEAP, TTLS, PWD, FAST, LEAP CCX
Version 4 certified

Bluetooth: Class 2 V4.0 Bluetooth

Supported Bluetooth Profiles: HFP, PBAP, A2DP, AVRCP, OPP only

NFC: Integrated Near Field Communication

VoIP: Supported

VPN: IPSec V4/L2TP, PPTP

Push to Talk (PTT): Supported

This product is not intended to be used for diagnostic, therapeutic, treatment, monitoring or any other medical purpose and are not "medical devices" under any medical devices Directives including EU Directive 93/42/EEC.

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.

For more information

www.honeywellaidc.com

Honeywell Safety and Productivity Solutions

9680 Old Bailes Road

Fort Mill, SC 29707

honeywell.com

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