

# Dolphin CT50

## Mobile Computer

For enterprises that require anywhere, anytime, real-time connectivity to business-critical applications and data capture capabilities to maximize efficiency and serve customers more effectively, the Dolphin™ CT50 is Honeywell's most advanced enterprise-ready 4G/LTE mobile computer. With support for either Windows® or Android™ operating systems, the Dolphin CT50 mobile computer targets highly mobile frontline employees in scan-intensive workflows such as on-demand delivery, field service, and customer engagement who require a truly mobile office with the modern conveniences of an all-touch smartphone and the highest degree of future-proofing to speed business agility and lower total cost of ownership.

With the Dolphin CT50 mobile computer, network connectivity is no longer a barrier to the benefits of high-performance mobile applications. The Dolphin CT50 mobile computer is designed to support the most advanced connected mobile user experiences, facilitating large file transfers, video streaming, and remote access to business applications quickly, so workers can more effectively manage a wide variety of tasks throughout the sales cycle. Plus, the Dolphin CT50 mobile computer offers enough battery life to last a full shift and beyond, keeping mobile workers always connected to crucial information to place orders, check stock, look up order status, or scan items as they are removed for delivery. Optimized for use in field operations, the Dolphin CT50 mobile computer offers a vivid 4.7 inch Corning® Gorilla® Glass sunlight-readable display with multiple input modes to save valuable time and minimize data entry errors.

Frontline employees who need to portray a cutting-edge image to customers can capitalize on the modern all-touch interface offered by the Dolphin CT50 mobile computer. Featuring a sleek, pocketable design



*Honeywell's most advanced enterprise-ready mobile computer, the Dolphin CT50 mobile computer delivers real-time connectivity and best-in-class data capture capabilities.*

and tested to withstand the rigors of field operations, the Dolphin CT50 offers a low total cost of ownership and the highest degree of future-proofing. Including a next-generation 2D imager, the Dolphin CT50 mobile computer delivers unparalleled data capture performance on linear and 2D barcodes.

## FEATURES & BENEFITS



An industry-leading Qualcomm® Snapdragon™ 801 processor with 2.26 GHz quad-core CPU enables more robust application performance at better speeds and power efficiencies.



A sleek design yet rugged enough for the toughest work environments with an IP67 rating for protection from dust and water and the ability to withstand multiple 1.5 m (5 ft) drops to concrete and 1,000 1.0 m (3.3 ft) tumbles.



A next-generation 2D imager delivers best-in-class data capture performance on linear and 2D barcodes. An optional scan handle provides the flexibility to switch between handheld and pistol grip operations to reduce user fatigue.



Enterprises can take advantage of the flexible support for either Windows 10 IoT Mobile Enterprise or Android 6.0 Marshmallow.



Honeywell Repair Service Plans offer comprehensive, hassle-free protection on the device investment for up to five years after purchase, extending the product lifecycle while providing assurance that your technology investment is being properly maintained.

# Dolphin CT50 Technical Specifications

## MECHANICAL

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

**Weight:** 342 grams (12.1 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 at room temp per MIL-STD 810G

1.5 m (5 ft) to concrete at -10°C to 50°C temperature range

1.2 m (4 ft) to concrete down to -20°C

**Tumble:** Exceeds 1,000 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 IP67 standards for moisture and particle intrusion

## SYSTEM ARCHITECTURE

**Processor:** 2.26 GHz Qualcomm Snapdragon 801 quad-core

**Operating System:** Windows 10 IoT Mobile Enterprise, Android 6.0 Marshmallow

**Memory:** 2 GB RAM, 16 GB Flash

**Display:** 119.4 mm (4.7 in) 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 many off-the-shelf gloves.

**Keypad:** On-screen keypad, dual-action 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 microSD card up to 32 GB (SDHC/SDIO-compliant)

**Battery:** Li-Ion, 3.6 V, 4040 mAh with integrated battery diagnostics

**Hours of Operation:** 12+ hours

**Decode Capabilities:** Honeywell N6600 Slim Imager Engine (1D/2D barcode symbologies); Honeywell SDKs for Android and Windows

**Application Software:** Honeywell Power Tools and Demos

**Warranty:** One-year factory warranty

## WIRELESS CONNECTIVITY

### WWAN:

WWAN Radio (ATT/VZW/NA)

LTE (4G) Quad-Band (Bands 2, 4, 5, 17)

UMTS/HSPA+ (3G) Quad-Band (Bands 1, 2, 5, 8)

GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz)

Dual-Band 1xRTT/EV-DO (Bands BC0, BC1)

WWAN Radio (EU) LTE (4G)

Tri-Band (Bands 3, 7, 20)

UMTS/HSPA+ (3G) Quad-Band (Bands 1, 2, 5, 8)

GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz)

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

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

**Supported EAP:** TLS, PEAP-MS-CHAP-V2, TTLS

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

**Supported EAP:** TLS, PEAP, TTLS, PWD, FAST, LEAP CCX Version 4 certified (Android only)

**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

**GPS Supported Protocols:** GNSS Receiver for GPS and GLONASS

**Non-Incendive Version:** Class I, II, III, Division 2, Groups A-G, -20°C (-4°F) to +50°C (122°F) T4A

### Safety:

ANSI/ISA 12.12.01-2015 Rev. Aug. 21, 2015

CAN/CSA C22.2 No.213-15 Rev. Aug. 21, 2015

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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## For more information

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