

## Dolphin™ CT50 Mobile Computer

Preliminary Specifications—Subject To Change

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 CT50 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.

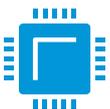
With the CT50, network connectivity is no longer a barrier to the benefits of high performance mobile applications. The CT50 is designed to support the most advanced connected mobile user experiences, facilitating large file transfers, video streaming, and remote access to business applications quickly, so workers can more effectively manage a wide variety of tasks throughout the sales cycle. Plus, the CT50 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 CT50 offers a vivid 4.7 in. sunlight-readable display with multiple input modes, including speech, stylus, gloved-finger touch, and keypad gestures to save valuable time and minimize data-entry errors.



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

Frontline employees who need to portray a cutting-edge image to customers can capitalize on the modern all-touch interface offered by the CT50. Featuring a sleek, pocketable design and tested to withstand the rigors of field operations, the CT50 offers a low total cost of ownership and the highest degree of future-proofing. Including a next-generation 2D imager, the CT50 delivers unparalleled data capture performance on linear and 2D barcodes.

## FEATURES & BENEFITS



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



**Pocketable and Rugged Form Factor:** A sleek design yet rugged enough for the toughest work environments with an IP67 rated design for protection from dust and water and the ability to withstand multiple 1.5m drops to concrete and 1,000 1.0m tumbles.



**Unparalleled Scanning Performance:** Next-generation 2D imager delivers best-in-class data capture performance on linear and 2D barcodes. An optional scan handle provides flexibility to switch between handheld and pistol grip operations to reduce user fatigue.



**O/S Versatility and Future-Proofing:** Enterprises can take advantage of the flexible support and migration on WE8.1H or Android 4.4 KitKat now, and upgrade as business needs grow later to Windows 10 or Android 5.0L



**Honeywell Repair Service Plans:** Offer comprehensive, hassle-free protection on the device investment for up to five years after purchase, extending the product life expectancy beyond the norm for consumer grade devices.

# Dolphin CT50 Technical Specifications

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## MECHANICAL

**Dimensions:** 160mm L x 82.5mm W x 19 mm H  
**Weight:** 342 grams with battery pack

## ENVIRONMENTAL

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

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

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

**Drop:** 5ft Multiple drops to unyielding steel  
plate, -10 to +50C temperature range and  
4ft drop at -20°C

Testing done per Honeywell drop specification  
via STP No: M\_04A

**Tumble:** Exceeds 1,000 (1.0m) tumbles per IEC  
60068-2-32 specification

**ESD:** ± 15KV Air and ± 8KV Direct

**Environmental Sealing:** Independently  
certified to meet IP67 standards for moisture  
and particle intrusion

## SYSTEM ARCHITECTURE

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

### Operating System:

Windows Embedded 8.1 Handheld,  
Android 4.4.4 KitKat

**Memory:** 2 GB RAM, LP-DDR3 @ 800MHz (min)

POP stack memory / 16 GB eMMC NAND Flash

**Display:** 4.66" TFT Color LCD with Backlight,  
720p HD, >400nits, Outdoor Viewable

**Touch Panel:** Rugged Multi Input Capacitive Touch

**Keypad:** Side Scan triggers, Volume up / down,  
Camera, Power button

**Audio:** Speaker, T3 / M3 HAC Compliant  
Receiver, Microphones

**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:** Micro SD Card  
SDHC/SDIO compliant. Please check with  
your Honeywell representative for available  
qualified card options

**Battery:** Li-Ion, 3.6V, 3950mAh with integrated  
fuel gauge

**Hours of Operation:** 12+ Hours

**Decode Capabilities:** Honeywell Slim engine 2D  
scanner capable of decoding standard 1D and  
2D bar code symbologies

**Development Environment:** Honeywell SDKs  
for Android and Windows

**HSM Application Software:** Honeywell  
Powertools and Demos

**Warranty:** 1 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  
(850/900/1800/1900MHz) Dual Band

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

WWAN Radio (EU) LTE (4G) Tri-Band

(Bands 3, 7, 20), UMTS/HSPA+ (3G) Dual Band  
(Bands 1,5, 8) and GSM/GPRS/EDGE

(Quad Band (850/900/1800/1900MHz)

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

**WLAN Security (WE8.1H):** 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:** V4.0 Bluetooth Qualification Body

(BQB) Cert. Co-existence with 802.11a/b/g

(IEEE 802.15.2 PTA) Internal Antenna

Supported Bluetooth Profiles: HFP, PBAP, A2DP,

AVRCP, OPP only

**NFC:** Integrated Near Field Communication

**VoIP (stationary/non-roaming):** Supported

**VPN:** IPSec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

**GPS Supported Protocols:** GNSS Receiver for

GPS and GLONASS



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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 bar code symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

## Honeywell Scanning & Mobility

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