

## 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 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.

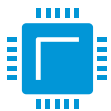
With the CT50, network connectivity is no longer a barrier to the benefits of high performance mobile applications. The CT50 is designed to support the most advanced connected mobile user experiences, facilitating large file transfers, video streaming, and remote access to business applications quickly, 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" Corning® Gorilla® Glass sunlight readable display with multiple input modes 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 steel plate over 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 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 life expectancy beyond the norm for consumer grade devices.

# Dolphin CT50 Technical Specifications

## 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 to unyielding steel plate over concrete at -10 to +50°C temperature range  
4ft to unyielding steel plate over concrete down to -20°C  
**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, 16 GB Flash

**Display:** 4.7" High Definition (1280x720) 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 Micro SD Card up to 32GB (SDHC/SDIO compliant).  
**Battery:** Li-Ion, 3.6V, 4040mAh with integrated fuel gauge  
**Hours of Operation:** 12+ Hours  
**Decode Capabilities:** Honeywell N6600 Slim Imager Engine (1D/2D bar code symbologies) 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) Quad Band (Bands 1, 2, 5, 8)  
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:** 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



Dolphin is a trademark or registered trademark of Honeywell International Inc. in the United States and/or other countries. Windows is a trademark or registered trademark of Microsoft Corporation in the United States and/or other countries. Android is a trademark or registered trademark of Google Inc. in the United States and/or other countries. Qualcomm and Snapdragon are trademarks or registered trademarks of Qualcomm Incorporated in the United States and/or other countries. Gorilla Glass and Corning are registered trademarks or trademarks of Corning, Inc.

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 Sensing & Productivity Solutions

9680 Old Bailes Road  
Fort Mill, SC 29707  
800-582-4263  
[www.honeywell.com](http://www.honeywell.com)

Dolphin CT50 DS Rev B 12/15  
© 2015 Honeywell International Inc.

**Honeywell**