

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 in 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



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

the Dolphin CT50 mobile computer. Featuring a sleek, pocketable design and tested to withstand the rigors of field operations, the Dolphin CT50 mobile computer 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 drops to concrete and 1,000 1.0 m 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 life expectancy 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 temperature
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: ±15KV Air and ±8KV 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) 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, 3.6V, 4040mAh 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 PowerTools
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

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).

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. in the United States
and/or other countries.

Bluetooth is a trademark
or registered trademark
of Bluetooth SG, Inc. in
the United States and/
or other countries.



For more information

www.honeywellaidc.com

Honeywell Sensing and Productivity Solutions

9680 Old Bailes Road

Fort Mill, SC 29707

800-582-4263

www.honeywell.com



AB&R®
identify. track. manage.

AB&R® is a certified Honeywell partner. For
information on Honeywell products and services
contact an AB&R® representative 800-281-3056

Dolphin CT50 DS | Rev C | 06/16
© 2016 Honeywell International Inc.

Honeywell