

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.

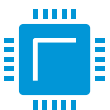
With the CT50, network connectivity is no longer a barrier to the benefits of high performance mobile applications. The CT50 is designed to support the most advanced connected mobile user experiences, facilitating large file transfers, video streaming, and remote access to business applications quickly, 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. For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies.

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