

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 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: ±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 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 BCO, 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.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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Symetry S.A. de C.V.

Sierra Candela 34, Lomas de Chapultepec
Ciudad de México, 11000

Tel.: 55 50953452

info@symetry.com.mx

www.symetry.com.mx

symetry
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