

HONEYWELL DOLPHIN CT50

Honeywell

PERFORMANCE
PARTNER PROGRAM
PLATINUM LEVEL

UNCOMPROMISINGLY FAST powerful, versatile and robust



The most powerful and versatile Honeywell mobile computer for enterprises, compact, extremely robust, with top scan performance and future-proof through flexible support of operating systems.

CHARACTERISTICS

The industry leading Qualcomm® Snapdragon™ 801-quad-core-processor with 2.26 GHz-CPU works particularly fast, reliable and energy efficient.

The compact device fits in any pocket, and thanks to IP67 it is also protected against challenging environmental conditions:

It is especially protected against dust and moisture and resists several drops from 15m height to concrete, as well as 1.000 tumbles (tumble test in m-barrel). The next generation 2D-Imager outperforms other devices of its class in the capturing of linear and 2D barcodes. The separately available trigger handle provides alternative handling of the device to the user to prevent unbalances, strain and fatigue during work.

AT A GLANCE

- Available with Android 4.4, Android 6.0, Windows Embedded 8.1 Handheld and Windows 10
- Industry-leading, fast, reliable and energy efficient 2.26 GHz Processor
- Very compact, yet reliably protected against dust, moisture and drops
- Next generation 2D-Imager and separately available trigger handle enable top scan performance even with high amounts of scans
- High investment protection through long-term availability of device and service contracts

TYPICAL APPLICATION AREA

The CT50 is Honeywell's best 4G / LTE handheld computer for businesses that need real-time access to critical applications and data acquisition functions anytime, anywhere in order to operate efficiently and provide optimal service to customers. The CT50 is the best match for mobile workers who have to perform high amounts of scanning operations.

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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 touchpanel, 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 auto-focus 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 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

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ITEM NUMBERS

CT50 - WLAN/ BLUETOOTH/ NFC

Item number	Description
CT50L0N-CS11SE0	Windows Embedded 8.1 Handheld, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global
CT50L0N-CS13SE0	Android 4.4.4 KitKat/GMS, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global
CT50L0N-CS14SE0	Windows 10 IoTME, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global
CT50L0N-CS16SE0	Android 6.0/GMS, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global

CT50 - WWAN/WLAN/ BLUETOOTH/ NF

Item number	Description
CT50LUN-CS11SE0	Windows Embedded 8.1 Handheld, LTE (4G), UMTS/HSPA+ (3G), GSM/GPRS/EDGE, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global
CT50LUN-CS13SE0	Android 4.4.4 KitKat/GMS, LTE (4G), UMTS/HSPA+ (3G), GSM/GPRS/EDGE, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global
CT50LUN-CS14SE0	Windows 10 IoTME, LTE (4G), UMTS/HSPA+ (3G), GSM/GPRS/EDGE, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global
CT50LUN-CS16SE0	Android 6.0/GMS, LTE (4G), UMTS/HSPA+ (3G), GSM/GPRS/EDGE, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, Global

CT50 - WWAN/WLAN/ BLUETOOTH/ NF

Item number	Description
CT50L0N-CS13SEH	Android 4.4.4 KitKat/GMS, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, EU, Healthcare Version
CT50L0N-CS16SEH	Android 6.0/GMS, 802.11 a/b/g/n/ac, 1D/2D Imager (N6600), 2.26 GHz Quad-core, 2GB/16GB Memory, 8MP Camera, BT 4.0, NFC, Battery 4,040 mAh, EU, Healthcare Version

ACCESSORIES - BATTERIES

Item number	Description
318-055-001	CT50 Replacement Battery
318-055-002	CT50h Replacement Battery (Healthcare)

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ITEM NUMBERS

ACCESSORIES - CHARGERS

Item number	Description
CT50-CB-0	For recharging upto 4 computers. Kit includes Dock and Power Supply, must order Power Cord separately.
CT50-CB-2	For recharging upto 4 computers. Kit includes Dock, Power Supply, EU Power Cord.
CT50-EB-0	Kit includes Dock, Power Supply, must order Power Cord separately. For recharging computer, battery and Ethernet comms. Supports USB client via USB Type B connector (USB Type B to Type A cable (321-576-004) sold separately).
CT50-EB-2	Kit includes Dock, Power Supply and EU Power Cord. For recharging computer, battery and Ethernet comms. Supports USB client via USB Type B connector (USB Type B to Type A cable (321-576-004) sold separately).
CT50-HB-0	Kit includes Dock & Power Supply, must order Power Cord Separately. For recharging computer & battery. Support USB client via USB Type B connector. (USB Type B to Type A cable (321-576-004) sold separately.)
CT50-HB-2	Kit includes Dock, Power Supply and EU Power Cord. For recharging computer & battery. Supports USB client via USB Type B connector. (USB Type B to Type A cable (321-576-004) sold separately).
CT50-NB-0	For Ethernet comms and recharging upto 4 computers. Kit includes Dock and Power Supply, must order Power Cord separately.
CT50-NB-2	For Ethernet comms and recharging upto 4 computers. Kit includes Dock, Power Supply, EU Power Cord.
CT50-QBC-0	For recharging upto 4 batteries. Kit includes Dock and Power Supply, must order Power Cord separately.
CT50-QBC-2	For recharging upto 4 batteries. Kit includes Dock, Power Supply, EU Power Cord.

ACCESSORIES - DATA CABLES

Item number	Description
321-576-004	Cable, USB-A to USB-B, 2meter RoHS

ACCESSORIES - HANDLES

Item number	Description
CT50-SCH	User installable scan handle for scan intensive applications. Easy on and Easy off to allow for recharging in CT50 desktop docks.

ACCESSORIES - POWER ADAPTERS

Item number	Description
213-029-001	Kit includes AC Power Adapter Kit (US, EU, UK, ANZ) & USB Cable

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ITEM NUMBERS

PARTS

Item number	Description
213-048-001	CT50 Stylus, pack of 5
213-049-001	CT50 HAND STRAP, pack of 3

ADAPTERS

Item number	Description
CT50-USB	Snap-on cup with Std Type A connector. Supports USB client. (For AC charging must order power plug adapter kit 213-029-001)

ACCESSORIES

Item number	Description
226-109-003	A 72' (182.88 cm) cable for connection of Vehicle Dock to fuse block or similar connection point. Power Cable with spade lugs and 3-pin connector. Supports input voltage of 12-30V DC. (If direct connection to fuse block not available, requires use of
805-611-001	Consists of one 4 3/4" adjustable pivot arm with two 1 1/2" stainless steel balls and assembly hardware. Due to wide range of possible applications, this kit doesn't include hardware for securing mount to vehicle.
CT50-MB-0	Vehicle Dock w/ hard wired 3-pin power cable and a standard USB Type A cable. Mounting (805-611-001) and vehicle power connection (226-109-003 or -004) kits sold separately.
CT50-MB-1	Vehicle Dock w/ hard wired 3-pin power cable and a standard USB Type A cable. Kit includes cigarette lighter power adapter. Mounting kit (805-611-001) sold separately.
CT50-MC	Snap-on cup with Cigarette Lighter plug.
CT50-MC-CABLE	Cable with 3-pin plug and cigarette lighter adapter for use with MobileBase.
CT50-NB-0	For Ethernet comms and recharging upto 4 computers. Kit includes Dock and Power Supply, must order Power Cord separately.
CT50-NB-2	For Ethernet comms and recharging upto 4 computers. Kit includes Dock, Power Supply, EU Power Cord.
CT50-QBC-0	For recharging upto 4 batteries. Kit includes Dock and Power Supply, must order Power Cord separately.
CT50-QBC-2	For recharging upto 4 batteries. Kit includes Dock, Power Supply, EU Power Cord.

SOFTWARE

Item number	Description
BROWSER-001	License, Enterprise Browser for Android & W10 IoT, includes 1 year of software maintenance. Order this part number for use with CT50 or D75e.
BROWSER-SFT1	Software Maintenance, Enterprise Browser for Android & W10 IoT, 1 year. Order this part number for use with CT50 or D75e.

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ITEM NUMBERS

SOFTWARE

Item number	Description
BROWSER-SFT2	Software Maintenance, Enterprise Browser for Android & W10 IoT, 2 years. Order this part number for use with CT50 or D75e.
BROWSER-SFT3	Software Maintenance, Enterprise Browser for Android & W10 IoT, 3 years. Order this part number for use with CT50 or D75e.
BROWSER-SFT4	Software Maintenance, Enterprise Browser for Android & W10 IoT, 4 years. Order this part number for use with CT50 or D75e.

MAINTENANCE

Item number	Description
LAUNCH-SFT1	Software Maintenance, Launcher for Android, 1 year. Order this part number for use with CT50, D75e or CN51.

SOFTWARE

Item number	Description
LAUNCH-001	Launcher License for Android OS. Includes 1 year of software maintenance. Order this part number for use with CT50, D75e or CN51.

SOFTWARE LICENSES

Item number	Description
454-071-001	License, EasyDL for Mobility Android
454-075-001	Upgrade License, CT50/D75e Windows 10 IoT ME
454-076-001	Upgrade License, CT50/D75e Android 6
ENHANCEDKEY-PAD-001	License, Enhanced Keypad Android

MAINTENANCE

Item number	Description
ENHANCEDKPD-SFT1	Software Maint, Enhanced Keypad Android 1yr Renewal
ENHANCEDKPD-SFT2	Software Maint, Enhanced Keypad Android 2yr Renewal

MOBILE COMPUTER SERVICE

Item number	Description
SVCCT50-2LC3	CT50, Limited Comprehensive, 2 Day Turn, 3 Year, DayOne