Honeywell

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.

MULTI OS

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

Preliminary Specifications—Subject To Change

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



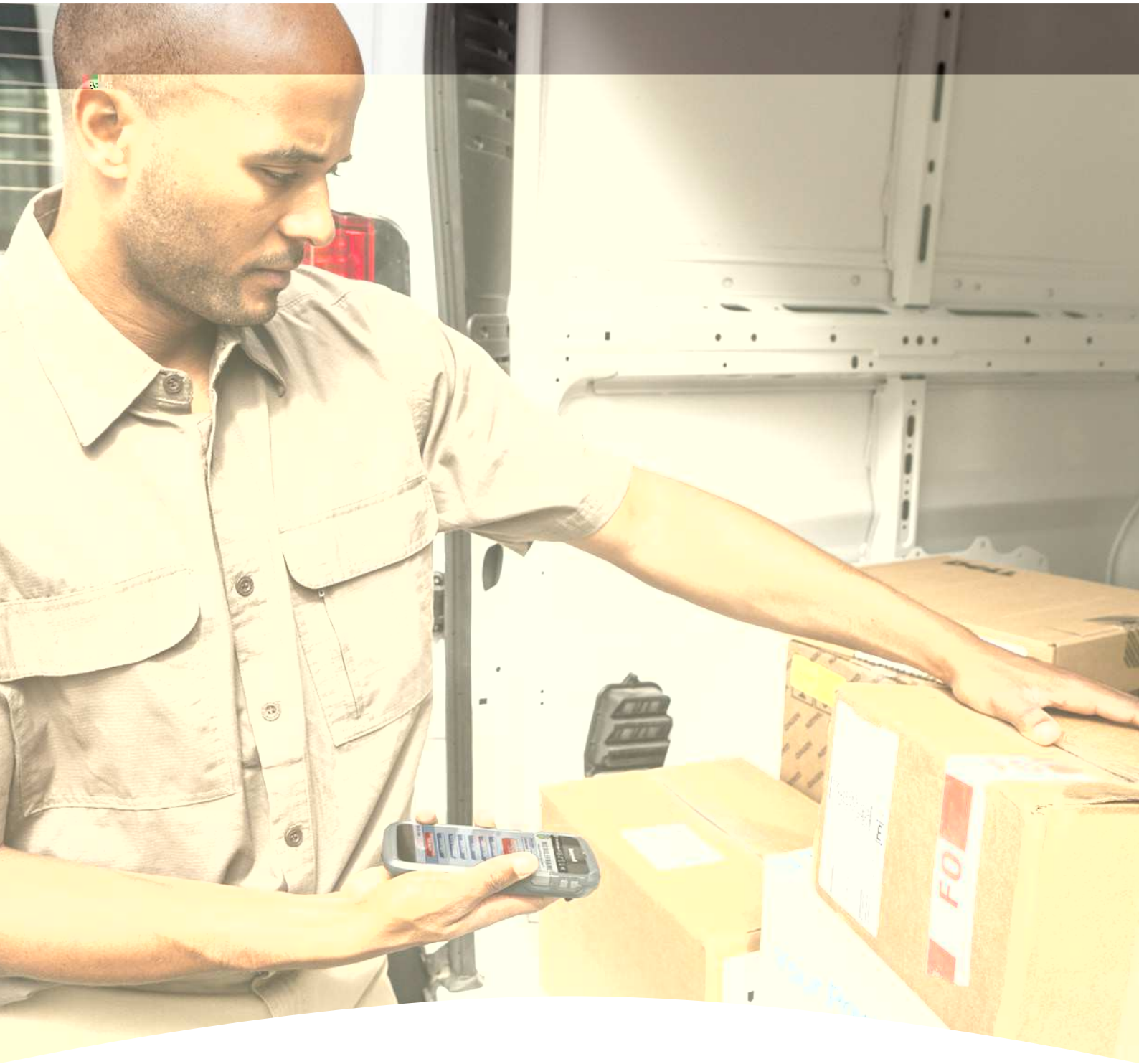
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For a complete listing of all compliance approvals and certifications, please visit **www.honeywellaidc.com/compliance**. For a complete listing of all supported bar code symbologies, please visit **www.honeywellaidc.com/symbologies**.

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charging

PRODUCT NAME	SKU	DESCRIPTION
Quad Battery Charger 		Four-slot battery charging station for recharging up to 4 batteries. Kit includes dock, power supply and power cord.
	CT50-QBC-0	Includes dock and power supply. Must order power cord separately.
	CT50-QBC-1	Includes above kit and NA power cord.
	CT50-QBC-2	Includes above kit and EU power cord.
	CT50-QBC-4	Includes above kit and China power cord.
NetBase 		Four-bay terminal charging cradle for Ethernet communications and recharging up to 4 computers. Kit includes dock, power supply and power cord.
	CT50-NB-0	Includes dock and power supply. Must order power cord separately.
	CT50-NB-1	Includes above kit and NA power cord.
	CT50-NB-1	Includes above kit and EU power cord.
	CT50-NB-4	Includes above kit and China power cord.
ChargeBase 		Four-bay terminal charging cradle for recharging up to 4 computers. Kit includes dock, power supply and power cord.
	CT50-CB-0	Includes dock and power supply. Must order power cord separately.
	CT50-CB-1	Includes above kit and NA power cord.
	CT50-CB-2	Includes above kit and EU power cord.
	CT50-CB-4	Includes above kit and China power cord.

PRODUCT NAME	SKU	DESCRIPTION
HomeBase 		Charging cradle for recharging computer and battery. Kit includes dock, power supply and power cord. Supports USB client via USB Type B connector. USB Type B to Type A cable (321-576-004) sold separately.
	CT50-HB-0	Includes dock and power supply. Must order power cord separately.
	CT50-HB-1	Includes above kit and NA power cord.
	CT50-HB-2	Includes above kit and EU power cord.
	CT50-HB-4	Includes above kit and China power cord.
eHomeBase 		Charging cradle for recharging computer, battery and Ethernet communications. Kit includes dock, power supply and power cord. Supports USB client via USB Type B connector. USB Type B to Type A cable (321-576-004) sold separately.
	CT50-EB-0	Includes dock and power supply. Must order power cord separately.
	CT50-EB-1	Includes above kit and NA power cord.
	CT50-EB-2	Includes above kit and EU power cord.
	CT50-EB-4	Includes above kit and China power cord.

mounting

PRODUCT NAME	SKU	DESCRIPTION
RAM Mount 	**805-611-001**	Consists of one 12.07 cm (4.75 in) adjustable pivot arm with two 3.81 cm (1.5 in) stainless steel balls and assembly hardware. Due to wide range of possible applications, this kit doesn't include hardware for securing mount to vehicle.

mobile

PRODUCT NAME	SKU	DESCRIPTION
Mobile Base 	**CT50-MB-0**	Vehicle dock with 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.
Mobile Base & Power Adapter 	**CT50-MB-1**	Vehicle dock with hard-wired 3-pin power cable and a standard USB Type A cable. Kit includes cigarette adapter power cable. Mounting kit (805-611-001) sold separately.
Power Cable, Dock to Fuse Block	**226-109-003**	A 182.88 cm (72 in) power cable with spade lugs and 3-pin connector to be used for connection of Mobile Base to fuse block or similar connection point. Supports input voltage of 12–30V DC. (Note: If direct connection to fuse block not available, requires use of 203-803-001 Fuse Block Power Kit. This kit is optional.)
Power Cable, Dock to Fuse Block	**226-109-004**	A 55.8 cm (22 in) power cable with spade lugs and 3-pin connector to be used for connection of Mobile Base to fuse block or similar connection point. Supports input voltage of 12–30V DC. (Note: If direct connection to fuse block not available, requires use of 203-803-001 Fuse Block Power Kit. This kit is optional.)
Mobile Adapter 	**CT50-MC**	Snap on cup with 10-30V cigarette lighter plug.
Mobile Base Cigarette Adapter Power Cable 	**CT50-MC-Cable**	Cable with 3-pin plug and 10-30V cigarette lighter adapter for use with Mobile Base.

cables and adapters

PRODUCT NAME	SKU	DESCRIPTION
Power Plug Adapter Kit 	**213-029-001**	Kit includes AC power plugs for US, EU, UK, ANZ and USB cable.
USB Adapter 	**CT50-USB**	Snap-on cup with Standard Type A connector. Supports USB client. (Note: For AC charging, the power plug adapter kit 213-029-001 is required.)
Cable Ass'y - USB Type A to Type B 	**321-576-004**	A 1.8 m (6 ft) USB Type B to Type A cable for use with CT50 HomeBase and eHomeBase.

battery pack

PRODUCT NAME	SKU	DESCRIPTION
Standard Battery Pack 	**318-055-001**	Replacement battery for CT50.

accessories

PRODUCT NAME	SKU	DESCRIPTION
Stylus 	**213-048-001**	Pack of five CT50 replacement styluses.
Handstrap 	**213-049-001**	Pack of three CT50 replacement handstraps.

For more information:
www.honeywellaidc.com

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