CT70

Mobile Computer

Built on the Mobility Edge™ platform, the Honeywell CT70 mobile computer is an ultra-rugged and versatile device that delivers reliable 5G connectivity, empowering frontline workers in logistics and retail with reliable performance, extensive battery life, and integrated technology solutions to enhance productivity and operational efficiency.

New Challenges Call for a More Cutting-Edge and Future-Proof Solution

Digital transformation in the logistics and retail markets has accelerated in recent years, introducing new challenges such as skilled worker shortages, fragmented technologies, and cybersecurity threats caused by an increasing number of connected devices. Businesses are seeking a highly integrated, versatile, and sophisticated solution that can address these challenges today and in the future, and the CT70 is the answer.

The CT70 is a cutting-edge, future-proof mobile computer designed to revolutionize operations in the retail and logistics sectors. It integrates advanced technologies to streamline processes, enhance delivery speeds, and elevate customer experiences. Combined with powerful end-to-end software solutions — including Honeywell Operational Intelligence, Honeywell Smart Talk communications, Honeywell Smart Pay, and more —the CT70 empowers users in transportation & logistics, last-mile delivery, and field work.



The CT70 Mobile Computer combines an intuitive design with a rugged housing, ensuring an ideal blend of usability and durability for field workers and store associates who need reliable performance throughout their workday.

Built on Mobility Edge™, a Durable, Stable, Secure Platform

Built on the Mobility Edge™ platform —a durable, stable, secure foundation for effective, long-lasting solutions, the CT70 delivers the lifecycle, security and durability required by serious businesses. The CT70 harnesses the latest processor and memory technology for high performance, with planned support through Android 19. Combined with the powerful, cloud-based, Honeywell Operational Intelligence asset optimization solution, IT leaders gain insights to boost productivity and reduce operating costs.

FEATURES AND BENEFITS

The Mobility Edge™ platform is a durable, stable, and secure foundation for long-lasting solutions, providing optimized performance and accelerated deployments.

Withstands 1.8 m (6 ft) and 2.4 m (8 ft) drops with protective boot across operating temperature. IP65 & IP68 ratings against dust and water intrustion, and a high-definition, moisture-tolerant touchscreen.

Embedded with the latest 5G and Wi-Fi 7 connectivity, including first responder networks and support for private cellular and CBRS networking.

Qi-compliant 4,775 mAh wireless battery, with an optional 7,692 mAh battery for extended, multi-shift use. Hot swap capability simplifies the battery swap process.

Ground-up design with an enhanced user interface, and innovative features, the CT70 is driving productivity and ease-of-use for a next-level mobile computer.

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Next-Gen System Performance
With the next generation octa-core processor which is equipped with powerful processor speed, build in NPU and advanced graphics processing, the CT70 delivers best-in-class connectivity, superior system performance and enhanced image quality. It handles multiple applications smoothly, processing efficient data analysis on device and in the cloud, and is ready for complex and demanding applications in the future.

Non-compromising Durability
The CT70 is built to withstand the toughest environments without compromising on performance. Workers in the field can rely on the rugged yet easy-to-use design, which can endure multiple 6-ft drops to concrete and over 3,000 real-world tumbles. Whether it is exposed to heavy rain, operating in a very dusty working environment, or enduring extreme cold weather, the CT70 remains resilient and dependable, ensuring smooth and uninterrupted operations.

Ultra-reliable Connectivity
The CT70 comes with the latest 5G, CBRS, and Wi-Fi 7 technology to stay connected in both indoor and outdoor environments. The CT70 with 5G offers the high bandwidth and low latency for transport and delivery workers. The CT70 with Wi-Fi 7 offers blazing-fast speed and reliable connectivity even in a device-crowded environment. To supplement Wi-Fi coverage in a large open area, the CT70 with CBRS provides secure and reliable connectivity in settings such as large parking lots, open areas of an airport, a crowded stadium or corners of a distribution center.

Unprecedent User Experience
Built on a sleek form factor, the CT70 is optimally designed with a bright, high-resolution 6-inch display that is easy to read both indoors and outdoors effortlessly, whether with or without polarized sunglasses. The screen optimizes touch performance when the customer uses a stylus or screen protector, wears gloves, or even in the rain. Integrated NFC in display reduces operational downtime and makes NFC pairing easier and NFC payment more secure.

Unparalleled Battery Technologies
The newly enhanced 4,775 mAh standard and wireless battery options keep the CT70 online throughout demanding shifts. The new extended battery, with a capacity up to 7,692 mAh, supports customers' multi-shift operations in heavily loaded use cases. The true hot swap reduces operational downtime and allows customers to seamlessly swap the battery without needing to follow the on-screen instructions.

Slim, Compact, and Integrated RFID
The RFID reader is no longer bulky and heavy. With the CT70's integrated RFID solution, customers can carry the RFID reader in their pockets. The CT70 integrated RFID solution supports short-range RFID reading, improving efficiency for high-value asset inventory lookup, misplaced asset searches, counterfeit detection, and more.

Comprehensive Accessory Ecosystem
The CT70 arrives with a complete set of accessories, including universal docks, which are adaptable for any Honeywell mobile computer form factor using easily swappable cups. Other accessories include scan handles, vehicle docks, a wearable kit, a protective boot, and a screen protector for added ruggedness, and more.

Honeywell Operational Intelligence
Honeywell Operational Intelligence delivers deep operational insights, enables workflow automation that prevents issues before they happen and helps manage issues in real time to greatly reduce IT support costs.

Honeywell Smart Talk Unified Communications
Overcome the problem of fragmented communications and empower teams with enterprise-grade security for voice calling, text and media messaging, and user presence – all from one device.



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CT70 Mobile Computer Technical Specifications

MECHANICAL

Dimensions: 170 mm x 78.6 mm x 16.7 mm (grip area) with standard battery; 170 mm x 78.6 mm x 22.3 mm (grip area) with extended battery

Weight: 310g (10.9oz) with standard battery

Display Size: 15.2 cm (6.0 in)

Resolution: Full High-Definition (2280 x1080)

Touch Panel: Rugged multi-touch capacitive touch panel, glove, stylus and rain modes supported. Water droplet rejection with screen protector mode. Fingerprint resistant coating.

Covered with Corning Gorilla Glass™ Victus™ for increased resistance to drops and scratch.

Display brightness: High sunlight viewable and backlit display; up to 600nits

Hard keys: Volume up/down key, left/right scan, power button, Push to Talk button.

Audio: 100db at 10cm, PTT, VoIP ready, dual front facing speakers, HAC-compliant, three microphones with noise cancellation.

I/O Ports: Durable, anti-corrosion flat IO connector, USB Type C connector. USB OTG supported via I/O ports. USB 3.1 is supported via USB Type C.

Universal Dock Platform: Compatible

Notifications: Audible tone; multi-color LEDs; haptic feedback

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: 5% to 95% (non-condensing)

Drop: Multiple 2.4 m (8 ft) drops to concrete at -20°C to 50°C (-4°F to 122°F) per MIL-STD 810H booted

Multiple 1.8m (6ft) drops to concrete at -20°C to 50°C (-4°F to 122°F) per MIL-STD-810H without boot

Tumble: Exceeds 3,000 0.5 m (1.6 ft) tumbles and 1,500 1.0m (3.3 ft) tumbles without boot; Exceeds 2,000 1m (3.3 ft) tumbles with boot per IEC 60068-2-32 specification

ESD: ±15 kV Air and ±8 kV Direct; ±8 kV Indirect

Environmental Sealing: Independently certified to meet IP65 and IP68 standards. for moisture and particle intrusion

Thermal shock: -30°C to 70°C (-22°F to 158°F)

SYSTEM ARCHITECTURE

Processor: Qualcomm Snapdragon QCS/QCM6690 octa-core, up to 2.9GHz, Edge AI enabled (2.0GHz optional).

Operating System: Each Android version guaranteed from Android 15 to 19, subject to technical feasibility confirmed by Qualcomm

Memory: 8GB LPDDR5 RAM, 128GB UFS 3.1 Flash

Camera: 13-megapixel rear camera, phase detection autofocus, supports torch mode; 8-megapixel front-facing camera

Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer/ eCompass, Hall sensor, Barometer (model dependent)

Storage Expansion: User-accessible microSD card up to 2 TB (SDXC/SDHC/SDIO-compliant)

SIM options: 1 eSIM and 1 nano SIM

Battery: Li-ion, 4,775 mAh standard battery; 4,775 mAh wireless battery, Qi compliant with support for BPP and EPP profiles; 7,692 mAh extended battery; Smart battery with integrated diagnostics tools

True battery hot swap: up to 1 minute across operating temperature

Charging: Quick Charge 4.0 compliant

Decode Capabilities: Honeywell FlexRange™ S0803 standard, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android, DPM supported via license

Mobility Edge: Honeywell Mobility Edge Utilities and Demos

Data Safety: Supports Secure Element

WIRELESS CONNECTIVITY

WWAN: Global bands support, device certified with GCF-PTCRB, ATT, TMO, VZW

AT&T FirstNet Compliant

LTE Advanced Support

5G FR1: Bands n1, n2, n3, n5, n7, n8, n12, n13, n14, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79

LTE: Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40,41, 42, 43, 48, 66, 71

UMTS/HSPA+(3G): Bands 1, 2, 3, 4, 5, 6, 8, 19 GSM: 850, 900, 1800, 1900 (Quad Bands)

Dual SIM/Dual standby, VoLTE, 5G NR FR (NSA, SA), Private network support in LTE and 5G-NR

4x4 Downlink MIMO supported on bands below:

5G: n2, n7, n13, n25, n30, n38, n41, n48, n66, n77, n78, n79

4G: B2, B4, B7, B13, B17, B25, B30, B38, B41, B42, B43, B48, B66

WLAN: Wi-Fi certified; Wi-Fi 6E & Wi-Fi 7 Certified

IEEE802.11a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax/be, 2x2 MU-MIMO; Triband (2.4GHz, 5GHz, 6GHz); Wi-Fi 6E (801.11ax); Supports multi-link operation (MLO); High Band Simultaneous (HBS) (model dependent); Dual Band Simultaneous (DBS); IPv4, IPv6

WLAN Security: OPEN, WEP, WPA/WPA2/WPA3 (Personal and Enterprise)

Supported EAP: TLS, PEAP, TTLS, PWD, CCX compatible

Bluetooth: Class 1.5, V6.0 Bluetooth and BLE

2nd BLE: V6.0 Bluetooth, available on all SKUs. Bluetooth profiles include HFP, PBAP, A2DP, AVRCP,OPP, SPP, GATT

NFC: Integrated NFC reader in display, compliant with ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693 (ICode), MIFARE 1K /

4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092 (Type F), Card Emulation; Contactless payment support, ECP 1.0 and ECP 2.0

VPN: IPSec V4/L2TP, PPTP

Push to Talk (PTT): Supported

GPS Supported Protocols: GPS, GLONASS, Galileo, Beidou, NAVIC, QZSS

Dual-Band GNSS — concurrent L1/G1/ E1/ B1 (GPS/QZSS, GLONASS, Galileo,

BeiDou) + L5/E5a/B2a (GPS/QZSS, Galileo, BeiDou); a-GPS, Supports XTRA, SBAS.

WARRANTY

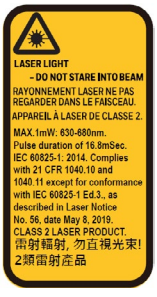
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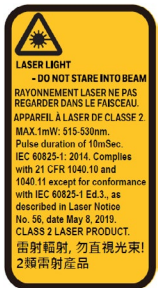
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For more information
automation.honeywell.com

Honeywell Industrial Automation
855 S Mint Street
Charlotte, NC 28202
800-582-4263
www.honeywell.com

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