

# CT30 XP

## An Enterprise Mobile Computer in an Elegant, Lightweight Design

**The Honeywell CT30 XP is a durable, all-purpose business tool offering ultrareliable data access and communications for frontline mobile workers.**

The CT30 XP combines the elegant design and usability of a high-end mobile phone without compromising the durability, manageability or business functionality serious businesses depend on. Combined with powerful Honeywell software such as Operational Intelligence, Smart Talk unified communications and Smart Pay contactless payment, the CT30 XP is an ideal platform on which users in retail, healthcare and delivery can build effective solutions.

### Honeywell Mobility Edge™, a Durable, Stable, Secure Platform

Based on the Mobility Edge platform, the CT30 XP is designed for businesses that invest in powerful solutions to gain competitive advantage. The Mobility Edge platform is a durable, stable, secure foundation on which to build these solutions. The platform enables a longer productive life, superior security, optimized performance, and accelerated deployments. Combined with the powerful, cloud-based, Operational Intelligence asset optimization solution, IT leaders can empower operations with competitive advantage, high productivity and low TCO, all with a user experience that keeps frontline workers productive and engaged.

Users will appreciate the design of the CT30 XP, which packs a vivid, 5.5-inch (14 cm), full-high-definition (FHD) screen into a slim, lightweight, yet durable package. Gentle curves meet the aesthetic demands of customer-facing, top tier retail and hospitality environments while making the device easy to hold and hard to drop.



*Fig. 1: CT30 XP: An all-purpose, universal power tool in consumer form factor with enterprise support.*

## FEATURES AND BENEFITS



The Mobility Edge Platform is a durable, stable and secure foundation for solutions, providing a longer productive life, superior security, optimized performance, and accelerated deployments.



The elegant design of the CT30 XP meets the aesthetic and user experience requirements of apparel retail users while delivering the durability and manageability serious businesses depend on.



Wi-Fi 6 provides a better user experience by increasing throughput, range and connection reliability, while consuming less power, even in a highly dense environment.



The innovative FlexRange scan engine provides accurate, fast, long range scans without compromising speed or ergonomics, to support more use cases with fewer device types.



The CT30 XP is available in healthcare SKUs offering easy-to-clean, disinfectant-ready white housings, patient friendly scan aimers and an extensive accessory suite.

## Modern Processor Ready for AI and Graphics-intensive Future Applications

The newest version of the Mobility Edge platform includes an up-to-date, octa-core processor with new Qualcomm 3rd-generation artificial intelligence (AI) engine and higher-powered graphics processing unit (GPU).

The CPU provides more than enough processing power for our customers' traditional applications, while providing significantly higher AI and graphics performance for new applications that users will want to deploy in the future.

The CT30 XP is paired with fast, Universal Flash Storage (UFS) technology for lower power consumption and significantly faster boot-up time and random-access capability.

The CT30 XP is powered by an easy-to-replace, warm-swap, 3,400 mAh battery for uninterrupted use.

## High-performance Networking

Selected SKUs offer Wi-Fi 6, based on the IEEE 802.11 ax standard. In high-congestion environments Wi-Fi 6 provides greater throughput and more reliable connections due to innovations like traffic prioritization, Orthogonal Frequency Division Multiple Access (OFDMA), and beamforming. The CT30 XP is also upgraded to Bluetooth version 5.1, which includes a variety of power saving features as well as angle-of-arrival based direction finding capabilities.

## FlexRange™ Scan Engine

FlexRange brings long range scanning performance found in industrial warehouse devices to lightweight, pocketable devices like the CT30 XP. The ultimate in flexibility, FlexRange enables most scanning use cases in a single, compact, lightweight device without compromising range or speed, enabling retailers get more done while managing fewer device types.

## Powerful Enterprise Software

The CT30 XP is compatible with powerful software for retail, healthcare and last-mile delivery applications

The Operational Intelligence suite of solutions 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.

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

The Honeywell Smart Pay solution, available in Q2 2022, enables retail, delivery, and hospitality businesses to process secure, PCI-compliant payments, including simple tap-to-pay and pin-on-glass without bulky hardware add ons.

## Extensive Accessory Line Including the Universal Dock

The CT30 XP comes with a complete set of accessories, including Universal Dock chargers which can be field upgraded by the end user without tools to support multiple Honeywell field mobility computers now and in the future. Other accessories include an easy-to-replace, warm swap battery, wearable accessory for hands free use, IH40 RFID handle for fast cycle counting, ruggedizing boot and low profile belt clip for healthcare.



Fig 2: CT30 XP with Disinfectant-Ready Housing



Fig 3: CT30 XP with Healthcare Housing

# CT30 XP Mobile Computer Technical Specifications

## MECHANICAL

**Dimensions:** 154 mm x 76 mm x 12.6 mm (6.06 in x 2.99 in x 0.50 in)

**Weight:** 215 grams (7.6 oz) with battery pack

**Display Size:** 13.97 cm (5.5 in)

**Resolution:** Full High-Definition (2160 x 1080)

**Touch Panel:** Rugged multi-touch capacitive touch panel, Glove, stylus and rain modes supported. Water droplet rejection with screen protector mode. Covered with Gorilla Glass 5 for increased resistance to drops.

**Backlight:** LED

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

**Audio:** PTT, VoIP ready, speaker, HAC-compliant, three microphones with noise cancellation.

**I/O Ports:** Durable, flat IO connector, USB Type C connector (except healthcare SKUs). USB OTG supported via I/O ports. USB 3.0 is supported via USB Type C.

**Universal Dock Platform:** Compatible

## ENVIRONMENTAL

**Operating Temperature:** -10°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):** 1.2 m (4 ft) to concrete at -10°C to 50°C (14°F to 122°F) per MIL-STD 810H; 1.5m (5ft) to concrete at room temperature per MIL-STD 810H.

**Tumble:** 500 0.5 m (1.64 ft) tumbles per IEC 60068-2-32 specification

**ESD:** ±15 kV Air and ±8 kV Direct

**Environmental Sealing:** Independently certified to meet IP67 standards for moisture and particle intrusion

## SYSTEM ARCHITECTURE

**Processor:** Qualcomm QCS4290/QCM4290 octa-core, 2.0GHz

**Operating System:** Each Android version guaranteed from Android 11 to at least 13, committed support for Android 14 and Android 15, when supported by Qualcomm

**Memory options:** 6GB DDR4x RAM, 64GB UFS Flash; 4GB DDR4x RAM, 64GB UFS Flash

**Camera:** 13-megapixel rear camera, 8-megapixel front-facing camera

**Sensors:** Ambient light sensor, proximity sensor, accelerometer, gyroscope, magnetometer (SKU dependent), barometer (SKU dependent), eCompass, hall sensor

**Storage Expansion:** User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

**SIM:** 1 eSIM and 1 nano SIM

**Battery:** Li-Ion, 3.6 V, 3400 mAh; smart battery with integrated diagnostics tools

**Battery Warm Swap:** supported

**Charging:** Quick Charge 3.0 compliant; Less than 3 hours to be fully charged

**Hours of Operation:** 10+ hours (varies based on use case)

**Decode Capabilities:** Honeywell FlexRange FR or Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android

**Application Software:** Honeywell Mobility Edge™ Utilities and Demos

## WIRELESS CONNECTIVITY

**WWAN:** WWAN Radio (ATT/VZW/SPRINT/TMO/NA/EU)

**AT&T FirstNet Compliant**

**LTE Advanced Support**

**Up to 390 Mbps CAT13 LTE downlink Up to 75 Mbps CAT5 LTE uplink:**

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

- UMTS/HSPA+ (3G):** Bands 1, 2, 4, 5, 6, 8, 9, 19

**GSM:** 850, 900, 1800, 1900 (Quad Bands)

**WLAN: Wi-Fi certified**

**CT30P-XON:** Wi-Fi 6, IEEE 802.11 a/b/g/n/ac/ax and 2x2 MU-MIMO;

**CT30P-L0N, CT30P-L1N:** Wi-Fi 5, IEEE 802.11 a/b/g/n/ac

**All SKUs:** 802.11 d/e/h/i/k/r/v/u/w/mc

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

**Supported EAP:** TLS, PEAP, TTLS, PWD, LEAP, CCX compatible (Except CT30XP-XON)

**Bluetooth:** V5.1 Bluetooth and BLE

**2nd BLE:** (Available in selected SKUs.)

Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

**NFC:** Integrated NFC reader, 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)

**VPN:** IPSec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

**GPS Supported Protocols:** Simultaneous GNSS Receiver Support for GPS, GLONASS, Galileo and BeiDou

## WARRANTY

One-year factory warranty

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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# CT30 XP HC

## An Enterprise Mobile Computer in an Elegant, Lightweight Design

### The CT30 XP HC is a Durable, Manageable, Healthcare Mobile Computer in an Elegant, Lightweight Form.

The CT30 XP HC is an all-purpose tool for healthcare institutions that need to empower nurses and other caregivers to provide safe and effective care as efficiently as possible. Intended for professionals who are expert and demanding users of their personal mobile phones, the CT30 XP HC enables fast, all-day access to comprehensive patient and therapy information; intuitive voice, text and video communications and efficient, snappy scanning with an elegant, lightweight, consumer-phone-experience.

#### Honeywell Mobility Edge™, a Durable, Stable, Secure Platform

For IT leaders challenged with satisfying these users without compromising enterprise manageability, lifecycle, durability or security, the CT30 XP HC is built on the Mobility Edge platform, a durable, stable and secure foundation for effective, long-lasting solutions. The product leverages the latest processor and memory technology required by future high-performance software, while ensuring long-term Android compatibility – with guaranteed support from Android 11 to 13, and committed support for Android 14 and 15, subject to feasibility. Powerful Honeywell Operational Intelligence software uses data-driven insights to help prevent productivity-impacting issues in real time while reducing IT support costs to manage them.

The slim, lightweight CT30 XP HC slips easily into the pocket and is easy to use, hold and carry over a long shift, yet resists cumulative damage from long-term use. The CT30 XP HC can withstand multiple room temperature drops to concrete from 1.5m (5ft) and 500 tumbles at 0.5m. Disinfectant-ready housings enable frequent cleaning with harsh disinfectants without cracking or fading durable plastic housings.



Fig. 1: CT30 XP HC: An all-purpose, universal power tool in consumer form factor with enterprise support.

## FEATURES AND BENEFITS



The Mobility Edge Platform is a durable, stable and secure foundation for solutions, providing a longer productive life, superior security, optimized performance, and accelerated deployments.



The elegant design of the CT30 XP HC meets the aesthetic and user experience requirements of clinicians while delivering the durability and manageability IT teams require.



Wi-Fi 6 provides a better user experience by increasing throughput, range and connection reliability, while consuming less power, even in a highly dense environment.



The snappy 7th-Generation scan engine reduces user fatigue while scanning small labels used for identifying patients and verifying therapies.



The CT30 XP HC is built with disinfectant-ready housings that stand up to frequent cleaning with strong disinfectants without cracking or fading.

## Modern Processor Ready for AI and Graphics-intensive Future Applications

The newest version of the Mobility Edge platform includes an up-to-date, octa-core processor with new Qualcomm 3rd-generation artificial intelligence (AI) engine and higher-powered graphics processing unit (GPU).

The CPU provides more than enough processing power for our customers' traditional applications, while providing significantly higher AI and graphics performance for new applications that users will want to deploy in the future.

The CT30 XP HC is paired with fast, Universal Flash Storage (UFS) technology for lower power consumption and significantly faster boot-up time and random-access capability.

The CT30 XP HC is powered by an easy-to-replace, warm-swap, 3,400 mAh battery for uninterrupted use.

## High-Performance Design for Professional Staff

The premium CT30 XP HC feature set dovetails with the long lifecycle of the CT30 XP HC by ensuring performance and productivity over the life of the device. Support for Wi-Fi 6 in selected SKUs increases connection reliability, range and throughput in crowded conditions and provides a better experience in voice and video communications. The snappy Honeywell 7th-Generation scan engine reduces user fatigue while scanning small labels used for identifying patients, samples and medicines and verifying therapies. The full high-definition display (2160 x 1080p) is easy on the eyes and supports modern high-definition software. The PTT button and 8-megapixel front-facing camera enable effective and intuitive communications with teammates.

## Extensive Accessory Line Including the Universal Dock

CT30 XP HC comes with an extensive selection of accessories including 1, 4 and 5-bay chargers based on the space-efficient Universal Dock system. This system maximizes long-term return on investment (ROI) by enabling low-cost upgrades to future devices. The simple, but effective carrying clip keeps the device safe when not in use but easily accessible when needed.



Fig 2: CT30 XP HC

# CT30 XP HC Mobile Computer Technical Specifications

## MECHANICAL

**Dimensions:** 154 mm x 76 mm x 12.6 mm (6.06 in x 2.99 in x 0.50 in)

**Weight:** 215 grams (7.6 oz) with battery pack

**Display Size:** 13.97 cm (5.5 in)

**Resolution:** Full High-Definition (2160 x 1080)

**Touch Panel:** Rugged multi-touch capacitive touch panel, Glove, stylus and rain modes supported. Water droplet rejection with screen protector mode. Covered with Gorilla Glass 5 for increased resistance to drops.

**Backlight:** LED

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

**Audio:** PTT, VoIP ready, speaker, HAC-compliant, three microphones with noise cancellation.

**I/O Ports:** Durable, flat IO connector supporting USB communications via docking accessories

**Universal Dock Platform:** Compatible

## ENVIRONMENTAL

**Operating Temperature:** -10°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):** 1.2 m (4 ft) to concrete at -10°C to 50°C (14°F to 122°F) per MIL-STD 810H; 1.5m (5ft) to concrete at room temperature per MIL-STD 810H.

**Tumble:** 500 0.5 m (1.64 ft) tumbles per IEC 60068-2-32 specification

**ESD:** ±15 kV Air and ±8 kV Direct

**Environmental Sealing:** Independently certified to meet IP67 standards for moisture and particle intrusion

## SYSTEM ARCHITECTURE

**Processor:** Qualcomm QCS4290/QCM4290 octa-core, 2.0GHz

**Operating System:** Each Android version guaranteed from Android 11 to at least 13, committed support for Android 14 and Android 15, when supported by Qualcomm

**Memory options:** 6GB DDR4x RAM, 64GB UFS Flash; 4GB DDR4x RAM, 64GB UFS Flash

**Camera:** 13-megapixel rear camera, 8-megapixel front-facing camera

**Sensors:** Ambient light sensor, proximity sensor, accelerometer, gyroscope, magnetometer (SKU dependent), barometer (SKU dependent), eCompass, hall sensor

**Storage Expansion:** User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

**SIM:** 1 nano SIM and 1 optional eSIM

**Battery:** Li-Ion, 3.6 V, 3400 mAh; smart battery with integrated diagnostics tools

**Battery Warm Swap:** supported

**Charging:** Quick Charge 3.0 compliant; Less than 3 hours to be fully charged

**Hours of Operation:** 10+ hours (varies based on use case)

**Decode Capabilities:** Honeywell N6700 or Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android

**Application Software:** Honeywell Mobility Edge™ Utilities and Demos

## WIRELESS CONNECTIVITY

**WWAN:** WWAN Radio (ATT/VZW/SPRINT/TMO/NA/EU)

**AT&T FirstNet Compliant**

**LTE Advanced Support**

**Up to 390 Mbps CAT13 LTE downlink Up to 75 Mbps CAT5 LTE uplink:**

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

•**UMTS/HSPA+ (3G):** Bands 1, 2, 4, 5, 6, 8, 9, 19

**GSM:** 850, 900, 1800, 1900 (Quad Bands)

**WLAN: Wi-Fi certified**

**CT30P-XON:** Wi-Fi 6, IEEE 802.11 a/b/g/n/ac/ax and 2x2 MU-MIMO;

**CT30P-L0N, CT30P-L1N:** Wi-Fi 5, IEEE 802.11 a/b/g/n/ac

**All SKUs:** 802.11 d/e/h/i/k/r/v/u/w/mc

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

**Supported EAP:** TLS, PEAP, TTLS, PWD, LEAP, CCX compatible (Except CT30XP-XON)

**Bluetooth:** V5.1 Bluetooth and BLE

**2nd BLE:** (Available in selected SKUs.)

Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

**NFC:** Integrated NFC reader, 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)

**VPN:** IPSec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

**GPS Supported Protocols:** Simultaneous GNSS Receiver Support for GPS, GLONASS, Galileo and BeiDou

## WARRANTY

One-year factory warranty

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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# HONEYWELL

## CT45 XP / CT45

### Family of Rugged Mobile Computers

The CT45 mobile computers are rugged, all-purpose productivity tools ensuring ultra-reliable performance, data connectivity and communications for frontline mobile workers in retail, logistics and fieldwork. The CT45 family is designed for businesses that invest in sophisticated solutions and want a durable, stable, secure platform to build them on. Built on the newest generation of Honeywell's Mobility Edge™ platform, the CT45 family delivers the lifecycle, security and durability to optimize solution return on investment long-term.



*The CT45 and CT45 XP: A family of versatile and comprehensive mobile computers based on the newest generation of the Mobility Edge platform. Powerful, compact, durable, and easy to use, the CT45 product family enables maximum solution return on investment.*

### NEW CHALLENGES CALL FOR AN AGILE RESPONSE

Change in the supply chain has only accelerated in recent years, with e-commerce adoption spreading across every demographic group and retail category, elevated safety protocols and disruptions in trade patterns are becoming routine. Businesses are meeting these challenges with new solutions based not only on advanced mobile devices, but also key software capabilities. The CT45 family is integrated with powerful software solutions from Honeywell such as Operational Intelligence asset optimization and Smart Talk unified communications, as well as a broad ecosystem of UEM, WMS, retail and ERP solutions.

### FEATURES AND BENEFITS



The Mobility Edge platform allows companies to test and validate applications once, accelerate deployments across the enterprise, optimize device performance, simplify maintenance, and extend product lifecycle.



The highly rugged and sleek CT45 product line is designed to better endure accidental drops and falls. Its protective boot helps to avoid further wear and tear on the device and doesn't need to be removed for charging.



Embedded with the latest Wi-Fi 6 technology, the CT45 XP increases data throughput, and provides a better experience on voice or video communications even in a highly dense connected environment.



Snappy, accurate data capture from a few centimeters (inches) up to 10 meters (32.8 ft) with Honeywell's innovative FlexRange™ scan image, a 13-megapixel, auto-focus camera and 8-megapixel front-facing camera.



Locate and find a lost device via a secondary Bluetooth Low Energy (BLE) beacon even when the primary battery is drained, uninterrupted operation for battery swap with programmatic intervention.

**Honeywell**

## **HASSLE FREE CONNECTIVITY INSIDE AND OUTSIDE OF THE FOUR WALLS**

Mobile workers often struggle to get up-to-date information in a timely manner to boost efficiency. In response, the CT45 XP leverages the latest Wi-Fi 6 technology to facilitate access to essential information with low latency, even in a highly dense connected environment. Delivery workers can now efficiently access the network outside of the four walls using 4G-LTE advanced technology, keeping mobile frontline workers always connected to crucial information to place orders, check stock, look up order status, or scan items anywhere and anytime.

## **SURVIVES TOUGH ENVIRONMENTS**

Operation downtime results in revenue loss. The CT45 product family enables mobile workers to work while on the road, in the rain, or in a dusty warehouse. Designed to withstand challenging environments with no adverse damage or compromise to device integrity or sacrifice to ergonomic benefits. Built on a sleek design with enhancement on superior ruggedness, the CT45 product family delivers a compact device that mobile workers can carry comfortably throughout the shift and which also can endure accidental drops and falls.

## **IMPROVED PRODUCTIVITY AND EASE OF USE**

The CT45 product family extends the usability of an enterprise class device by offering a converged solution for cycle counting, on-demand delivery and asset management. It is integrated with the Honeywell Operational Intelligence solution and is available with FlexRange and 7th Generation scan options, an 8-megapixel front-facing camera, and a full suite of accessories. The full high-definition display (1920\*1080p) makes it easy to use and supports modern high definition software.

## **PROTECT INVESTMENT OF OWNERSHIP**

Stolen, misplaced or lost assets increase critical information and asset leakage risks. Featuring "Device Finder" capability, CT45 XP can easily locate lost devices even when the batteries are drained after a certain period of time. This helps to prevent permanent device loss and protect your investment.

## **BUILT ON THE MOBILITY EDGE PLATFORM**

Built on the newest generation of Honeywell's Mobility Edge platform, a durable, stable, secure foundation for effective, long lasting solutions, the CT45 family delivers the lifecycle, security and durability required by serious businesses. The CT45 leverages the latest processor and memory technology for high performance with guaranteed support through Android 13, with a commitment to support through Android 14 and Android 15, subject to feasibility.

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1. CT45 product family passes (6 ft) drops to concrete at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H; multiple 2.4 m (8 ft) drops to concrete with protective boot at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H



# CT45 XP / CT45 Technical Specifications

## MECHANICAL

**Dimensions:** 163 mm x 79 mm x 19.2 mm

**Weight:** 282 g (9.9oz) with battery pack

**Display Size:** 12.7 cm (5.0 in)

**Resolution:** Full High Definition (1920 x 1080) (CT45XP); High-Definition (1280 x 720) (CT45)

**Backlight:** LED

**Touch Panel:** Rugged multi-touch capacitive touch panel, optically-bonded for extra durability. Glove, stylus and rain modes supported (CT45 XP). Water droplet rejection with screen protector mode.

Covered with Gorilla Glass 5 for increased resistance to drops.

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

**Soft Key:** On-screen scan button, reprogrammable into an application quick-launch key.

**Audio:** 3.5 mm jack\*\*, PTT, VoIP ready, speaker, HAC-compliant.

**Three microphones with noise cancellation**

**I/O Ports:** Durable, flat IO connector, USB Type C connector.

**USB OTG supported via I/O ports**

**USB 3.0 is supported via USB Type C**

**Universal Dock Platform:** Compatible

## 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 1.8 m (6 ft) drops to concrete at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H; multiple 2.4 m (8 ft) drops to concrete with protective boot at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H

**Tumble:** Exceeds 1,500 times at 1m (3.28 ft) per IEC 60068-2-32 specification

**ESD:** ±8 kV direct; ±15 kV air

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

**Thermal Shock:** -30°C to +70°C

## SYSTEM ARCHITECTURE

**Processor:** Qualcomm QCS4290/QCM4290 octa-core, 2.0GHz

**Operating System:** Each Android version guaranteed from Android 11 to at least 13, committed support for Android 14 and Android 15, pending feasibility

**Memory:** 6 GB DDR4x RAM, 64 GB UFS Flash (CT45XP); 4 GB DDR4x RAM, 64 GB UFS Flash (CT45)

**Camera:** 13-megapixel rear camera; 8-megapixel front-facing camera.

**Sensors:** Ambient light sensor, proximity sensor, accelerometer, gyroscope, magnetometer, barometer (Model dependent), eCompass (Model dependent), hall sensor, high gravity sensor

**SIM:**

**CT45 XP:** Available with configurations of eSIM and Nano SIM or configurations of 2 Nano SIMs

**CT45:** Available with configurations of 2 Nano SIMs

**Storage Expansion:** User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

**Battery:** Li-Ion, 3.85 V, 4020 mAh; smart battery with integrated diagnostic tools

**Battery warm swap:** Available on CT45 XP

**Charging:** Quick Charge 3.0 compliant; Less than 3 hours to be fully charged.

**Hours of Operation:** 12+ hours

**Decode Capabilities:** Honeywell FlexRange, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android

**Application Software:** Honeywell Mobility Edge Utilities and Demos

## WARRANTY

**One-year factory warranty**

## WIRELESS CONNECTIVITY

**WWAN:** WWAN Radio (ATT/VZW/SPRINT/TMO/NA/EU)

**AT&T FirstNet Compliant**

**LTE Advanced Support**

**Up to 390 Mbps CAT13 LTE downlink**

**Up to 75 Mbps CAT5 LTE uplink**

**LTE – Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 66, 71**

**UMTS/HSPA+ (3G) – Bands 1, 2, 4, 5, 6, 8, 9, 19**

**GSM:** 850, 900, 1800, 1900 (Quad Bands)

**WLAN: Wi-Fi certified**

**CT45P-X0N:** IEEE 802.11 a/b/g/n/ac/ax and 2\*2 MU-MIMO

**CT45P-L1N, CT45-L1N, CT45-L0N:** IEEE 802.11 a/b/g/n/ac

**All SKUs:** 802.11 d/e/h/i/k/r/v/u/w/mc

**WLAN Security:** OPEN, WEP, WPA/WPA2/WPA3

(Personal and Enterprise)

**Supported EAP:** TLS, PEAP, TTLS, PWD, LEAP, CCX compliant (except CT45XP WLAN)

**Bluetooth®:** V5.1 Bluetooth and BLE

**2<sup>nd</sup> BLE:** Available on CT45 XP

**Bluetooth Profiles:** HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

**NFC:** Integrated NFC reader, 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)

**VPN:** IPsec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

**GPS Supported Protocols:** Simultaneous GNSS Receiver Support for GPS, GLONASS, Galileo, and Beidou, Assisted GPS

**\* Specifications are subject to change without notice.**

**\*\* 3.5mm jack is available on Wi-Fi version only.**

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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# CK65

## Mobile Computer

The industry's most advanced ultra-rugged mobile computer that's ready for the toughest DC environments and the broadest range of workflows, the CK65 is designed to maximize worker productivity and minimize TCO.

In this environment of ever smaller orders and ever shrinking delivery timeframes, you need ways to improve your inventory accuracy and order cycle time. The CK65 is purpose-built to help with those objectives by maximizing worker productivity. The perfect blend of keypad and touchscreen, ergonomics and durability, the CK65 is light enough to be used all day yet durable enough to withstand the wear and tear of daily use. And with a 7,000 mAh extended smart battery, the CK65 is capable of up to 28 hours of continuous operation, so workers finding themselves with a dead battery in the middle of their shift will be a thing of the past.

Built on the Mobility Edge™ platform, the CK65 minimizes TCO like no other product on the market by future-proofing your investment with support through Android R and beyond, and accelerated provisioning to minimize your time to value. And with its ultra-rugged design that can withstand 3 m (10 ft) drops to concrete as well as being rated to IP65 and IP68, the CK65 is durable in even the toughest DC environments. The CK65 even offers cold storage models for freezer environments and non-incendive (NI)/ATEX models for areas with hazardous gases.

Honeywell's legacy of imaging innovation continues on the CK65 with the new FlexRange™ XLR imager. The FlexRange XLR is capable of scanning from 3 inches all the way out to 80 feet, at lightning fast speeds, and in a slim form factor. From picking to the pallet to the rack, from broad daylight to dark warehouse lighting, and even with damaged barcodes, the FlexRange XLR is perfect for any workflow.



*Built on the Honeywell Mobility Edge platform, the ultra-rugged CK65 mobile computer combines touchscreen and keypad data input, real-time connectivity, and advanced data capture for industry-leading investment protection.*

### **DISINFECTANT-READY HOUSINGS - NEW!**

Select models now available with disinfectant-ready housings. These models can be cleaned regularly with a wide variety of cleaning solutions without damaging your product.

## FEATURES AND BENEFITS



The Mobility Edge hardware platform and enterprise lifecycle tools drive an integrated, repeatable, scalable approach for accelerated and secure development, deployment, performance management, and lifecycle management.



The CK65 device provides future-proof investment protection with support for four Android generations, starting with Android 8 (O). Security updates are also available for up to two years after the last Google patch through Honeywell Sentinel.



The large touchscreen, with five different alphanumeric and numeric keypad options, supports both legacy key-centric and newer touch applications. Keypads allow input in extreme environments and optimize efficiency in all environments.



Rugged construction withstands multiple 3 m (10 ft) drops to concrete across the temperature range and 3,000 1.0 m (3.3 ft) tumbles. IP65 and IP68 ratings against dust and water spray.



Unique FlexRange technology capable of short to long range scanning in a slim, rugged form factor.

# CK65 Technical Specifications

## SYSTEM ARCHITECTURE

**Processor:** 2.2 GHz Qualcomm 64-bit Snapdragon octa-core

**Operating System:** Each Android version guaranteed from Android 9 Pie to at least 11/R, committed support for Android 12 and 13 pending feasibility

**Memory:** 2 GB/4 GB DDR4 RAM, 32 GB Flash

**Display:** 10.16 cm (4 in) 480 x 800 bright color LCD with backlight, outdoor readable, optically bonded Corning Gorilla Glass 5 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:** 51 or 53-key alpha numeric, 38 or 42-key numeric function, or 30-key large numeric keypads, plus two programmable side buttons

**Audio:** Speaker, microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support

**I/O Ports:** Durable, custom I/O connector compatible with CK3 accessories

**Camera:** 13.0-megapixel color camera with autofocus and advanced software features for better image quality, f/2.0 aperture, flash LED with flashlight mode

**Sensors:** Ambient light sensor, accelerometer, gyroscope, hall effect, High-G accelerometer

**Storage Expansion:** User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

**Battery:** Li-Ion, 7,000 mAh Smart Battery

**Hours of Operation:** 28 hours

**Scanning Capabilities:** Honeywell N6703 Slim Imager Engine (1D/2D); Honeywell FlexRange XLR Slim Imager (1D/2D); Honeywell EX20 Near/Far Imager (1D/2D); Honeywell Scanning SDKs for Android

**Warranty:** One-year limited factory warranty

## For more information

sps.honeywell.com

## Honeywell Safety and Productivity Solutions

855 S Mint St  
Charlotte, NC 28202  
800-582-4263  
www.honeywell.com

## MECHANICAL

**N6703SR/FlexRange XLR Version**

**Dimensions:**  
22.7 cm x 8.3 cm x 4.2 cm  
(8.9 in x 3.3 in x 1.7 in)

**N6703SR/FlexRange XLR Version**  
**Weight:**

498 g (17.6 oz) with battery pack

**EX20 Version Dimensions:**

22.7 cm x 8.3 cm x 4.7 cm  
(8.9 in x 3.3 in x 1.9 in)

**EX20 Version Weight:** 544 g (19.2 oz) with battery pack

## WIRELESS CONNECTIVITY

**WLAN:** IEEE 802.11 a/b/g/n/ac; Wi-Fi certified 2x2 MIMO support

**Additional WLAN Features:** 802.11 d/e/h/i/k/r/w

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

**Supported EAP:** TLS, PEAP, TTLS, PWD, LEAP CCX Version 4 certified

**Bluetooth:** V5.0 with BLE and Backward Compatibility

**Bluetooth Profiles:** HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

**NFC:** Integrated Near Field Communication

**VoIP:** Supported

**VPN:** IPSec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

## DATA SECURITY

**FIPS 140-2** Level 1 Validated

- Data at Rest
- Data in Motion

## ENVIRONMENTAL

**Operating Temperature:**

**Standard Temp Unit:** -20°C to 50°C  
(-4°F to 122°F)

**Cold Storage Unit:** -30°C to 50°C  
(-22°F to 122°F)

**Storage Temperature:** -30°C to 70°C  
(-22°F to 158°F)

**Humidity:** 0 to 95% relative humidity (non-condensing)

**ESD:** ±15 kV Air and ±8 kV Direct

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

## DEVICE DURABILITY

**Drop:** 3 m (10 ft) to concrete at room temperature, 2.4 m (8 ft) across operating range per MIL-STD 810G

**Tumble:** 3,000 1.0 m (3.3 ft) tumbles per IEC 60068-2-32 specification

## ADDITIONAL CERTIFICATIONS AND APPROVALS

**US/Canada:**

Class 1 Div 2, Groups A, B, C, and D

Class 2 Div 2, Groups F, G

Class 3

T5, -20°C < Tamb < 50°C (-4°F to 122°F)

**ATEX:**

Ex ic op is IIC T5 Gc IP64

Ex ic op is IIB T100°C Dc IP64, -20°C < Tamb < 50°C

**IEC Ex:**

Ex ic op is IIC T5 Gc IP64

Ex ic op is IIB T100°C Dc IP64 -20°C < Tamb < 50°C

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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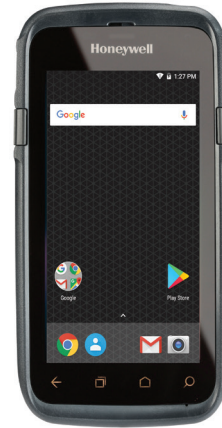
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# CT60

## Mobile Computer

The Honeywell CT60 mobile computer is designed for enterprises that require anywhere, anytime, real-time connectivity to business-critical applications and fast data capture capabilities in a highly durable, long-lasting form factor built for maximum uptime and productivity out in the field or on the selling floor.



Built on the Mobility Edge™ platform, the CT60 mobile computer offers an integrated, repeatable, and scalable approach based on a common hardware and software platform – unleashing customers from constraints faced today around integration and inflexible technologies without sacrificing enterprise security, reliability, performance, or management features.

*The CT60 mobile computer, built on the Mobility Edge platform, delivers real-time connectivity, advanced data capture, and future-proof investment protection.*

Juggling multiple devices across the enterprise introduces time- and cost-intensive complexities for Enterprise IT to manage and maintain. The CT60 mobile computer, with the Mobility Edge platform, enables customers to accelerate provisioning, certification, and deployment across the enterprise. The CT60 mobile computer offers an extended product lifecycle across four generations of Android™ to maximize return on customer investment and provide a lower TCO. And it's validated by Android Enterprise Recommended, a Google-led initiative that helps businesses confidently select, deploy, and manage the Android devices and services best suited to their enterprise needs.

Fast, accurate 1D/2D scanning and data capture is possible even on the most damaged barcodes.

The CT60 mobile computer is packed with features to keep workers connected and productive all day long. The industry-leading advanced network connectivity facilitates large file transfers, video streaming, and quick remote access to business applications with enough battery power to last an entire shift.

The rugged design withstands accidental drops and falls, yet is ergonomic and lightweight for comfortable, everyday use. A vivid 118 mm (4.7 in) Corning® Gorilla® Glass 5 touchscreen display is easily read indoors and out, and can be used with finger, glove, or stylus.

## FEATURES AND BENEFITS



Common hardware platform and enterprise lifecycle tools drive an integrated, repeatable, scalable approach for accelerated and secure development, deployment, performance management, and lifecycle management.



Support through Android R, starting with Android 8.1 (O). Additionally, customers using Windows®-based operating systems can migrate to Android without sacrificing reliability, performance, or management features.



The CT60 mobile computer is the first enterprise-grade device with LTE-Advanced and carrier aggregation for speeds up to 300 Mbps. Provides better network coverage, speed, anytime, anywhere connectivity, and device longevity.



Advanced 2D imager delivers best-in-class data capture on linear and 2D barcodes. Optional scan handle for flexibility to switch between handheld and pistol grip operations to reduce user fatigue.



Sleek, lightweight, and rugged. Fits easily into a pocket. IP65 and IP67 ratings against dust/water spray; can withstand multiple 1.5 m (5 ft) drops to concrete and 1,000 1.0 m (3.3 ft) tumbles.

# CT60 Technical Specifications

## SYSTEM ARCHITECTURE

**Processor:** 2.2 GHz Qualcomm® Snapdragon™ 660 octa-core

**Operating System:** Each Android version guaranteed from 7.1 to at least 11/R, committed support for Android 12 and 13 pending feasibility

**Memory:** 3 GB/4 GB DDR4 RAM, 32 GB Flash

**Display:** 118 mm (4.7 in) High Definition (1280 x 720) bright color LCD with backlight, outdoor readable, optically bonded to touch panel, oleophobic fingerprint rejection

**Touch Panel:** Rugged multi-touch capacitive touch panel, optically bonded for extra durability and better sunlight readability. Automatic switching between glove and finger modes. Water droplet rejection. Visibility of the screen in landscape mode with polarizing glasses in sunny environments. Covered with Gorilla Glass 5 for increased resistance to drops. (Gorilla Glass 5 is offered only in models with N6703SR or N6703HD scan engines)

**Keypad:** On-screen customizable keypad, dual-action side scan triggers, volume up/down, camera, power button

**Audio:** Speaker, dual microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support

**I/O Ports:** Durable, custom IO connector

**Camera:** 13-megapixel color camera, 4K video with image stabilization, and advanced software features for enhanced exposure control

**Sensors:** Ambient light sensor, proximity sensor, accelerometer, gyroscope, magnetometer, pressure sensor

**Storage Expansion:** User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

**Battery:** Li-Ion, 3.6V, 4040mAh with integrated battery diagnostics. Warm swap capability that allows 1 minute to change batteries without loss of application work flow. (Warm swapping is offered only in models with N6703SR or N6703HD scan engines)

**Hours of Operation:** 12+ hours

**Decode Capabilities:** Honeywell N6603SR, N6703SR, or N6703HD Slim Imager Engines (1D/2D barcode symbologies), Honeywell SDKs for Android

## For more information

[www.honeywellaidc.com](http://www.honeywellaidc.com)

[www.android.com/AER](http://www.android.com/AER)

## Honeywell Safety and Productivity Solutions

9680 Old Baires Road

Fort Mill, SC 29707

800-582-4263

[www.honeywell.com](http://www.honeywell.com)

**Application Software:** Honeywell Utilities and Demos

**Warranty:** One-year factory warranty

## WIRELESS CONNECTIVITY

### Cellular Radio

#### LTE Advanced Support

Supports VoLTE

Up to 400 Mbps CAT13 LTE downlink

Up to 75 Mbps CAT5 LTE uplink

- LTE (FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 25, 26, 28, 29

- LTE (TDD) – Bands 38, 39, 40, 41

UMTS/HSPA+ (3G) – Bands 1, 2, 4, 5, 6, 8, 9, 19

GSM/GPRS/EDGE Quad-Band (850/900/1800/1900 MHz)

1xRTT/EV-DO – Bands BC0, BC1, BC10 (B26 BW)

**WLAN:** IEEE 802.11 a/b/g/n/ac; Wi-Fi certified

**Additional WLAN Features:** 802.11 r (802.11 k/mc – via future release)

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

**Supported EAP:** TLS, PEAP, TTLS, PWD, FAST, LEAP CCX Version 4 certified

**Bluetooth:** V5.0 Bluetooth and BLE Supported

**Bluetooth Profiles:** HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

**NFC:** Integrated Near Field Communication

**VPN:** IPSec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

**GPS Supported Protocols:** Simultaneous GNSS Receiver Support for A-GPS, GLONASS, Qualcomm Gen9 position engine, Galileo, and BeiDou

## MECHANICAL

**Dimensions:** 160 mm x 82.5 mm x 19 mm (6.3 in x 3.2 in x 0.75 in)

**Weight:** 350 grams (12.4 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 (14°F to 122°F) temperature range; 1.2 m (4 ft) to concrete down to -20°C (-4°F)

**Tumble:** Exceeds 1,000 1.0 m (3.3 ft) tumbles per IEC 60068-2-32 specification

**ESD:** ±15 kV Air and ±8 kV Direct

**Environmental Sealing:** Independently certified to meet IP67 and IP65 standards for moisture and particle intrusion

## ADDITIONAL CERTIFICATIONS AND APPROVALS\*

### US/

**Canada:** Class 1 Div 2, Groups A, B, C, D  
Class 2 Div 2, Groups F, G  
Class 3  
T4A, -20°C < Tamb < 50°C

**ATEX:** II 3G Ex ic op is IIC T4 Gc IP64  
II 3D Ex ic op is IIIB T135°C Dc IP64  
-20°C < Tamb < 50°C

**IEC Ex:** IIC T4 Gc IP64  
IIIB T135°C Dc IP64  
-20°C < Tamb < 50°C

\*Available on specific models with the H6603SR scan engine, Gorilla Glass 3, and no warm swap battery

Refer to the Honeywell compliance center at [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance) to review and download any publicly available documentation pertaining to the certification of this product in a given country.

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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