

Ultra-Rugged Mobile Computer

CT47 mobile computers are ultra-rugged, all-purpose hand-held devices, providing reliable performance, 5G data connectivity and communications for frontline mobile workers in warehouse, logistics and fieldwork.



The CT47: Ultra-rugged 5G mobile computer on the Mobility Edge platform

The CT47 is enhanced for performance with a superior rugged design for any environment and is optimally balanced with durability and functionality in mind to keep business workflows moving and operations flowing. Combined with powerful software including Operational Intelligence, Smart Talk communications, Smart Pay, and more, the CT47 is the ideal choice for users in transport & logistics and warehouse.

Mobility Edge™, a Durable, Stable, Secure Platform

Built on the Mobility Edge platform, a durable, stable, secure foundation for effective, long-lasting solutions, the CT47 delivers the lifecycle, security and durability required by serious businesses. CT47 harnesses the latest processor and memory technology for high performance with guaranteed support through Android 16. Combined with the powerful, cloud-based, Operational Intelligence asset optimization solution, IT leaders can empower operations with critical analytics to enable higher productivity and low TCO, all with a user experience that keeps frontline workers productive and engaged.

Durable and Reliable

The CT47 is designed to endure the most challenging environments. Transport and logistic and warehouses are as busy as ever and customers need to keep their operations and workflows up and running. Workers in the field and warehouse can rely on the ultra-rugged design, the CT47 can withstand up to 8ft drops and over 3,500 real-world tumbles. The new enhanced standard and wireless battery options keep the CT47 online throughout the demanding shifts. Built upon a sleek form factor, the CT47 is optimally designed with screen visibility and ruggedness in mind.

FEATURES AND BENEFITS



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



The ultra-rugged design on the CT47 makes it the optimal choice for the demanding environments for workers in Transport & Logistics and Warehouses, with one of the best in class drop and tumble ratings.



The CT47 comes with the latest 5G and Wi-Fi 6E technology to stay connected, including CBRS and private networks. 5G offers the highest bandwidth and lowest latency available, to provide a better experience on data intensive applications.



Quick and accurate data capture from 3 inches (8 centimeters) up to 80 feet (24 meters) with Honeywell's innovative FlexRange XLR scan engine; supporting virtually every use case.



Outfitted with Multi-factor Biometric Authentication, the CT47 keeps user and company data secure. Registration is quick, data is encrypted, and operations can keep moving securely.

Modern Processor and Solid Connectivity

With the latest octa-core processor loaded with Qualcomm 6th gen AI engine and graphics processing, the CT47 has enough processing power to handle all traditional applications and stands ready to handle new, demanding applications that our customers are developing to deploy for their workflows.

The CT47 also comes with the latest 5G and Wi-Fi 6E technology to stay connected in both indoor and outdoor environments. 5G offers the highest bandwidth and lowest latency available for transport and delivery workers, and within a warehouse to always stay connected. Whether you are on a private 5G or CBRS network, or a Wi-Fi 6E environment, your workers can continue their workflows with reliable uptime.

Ultimate Security

Fitted with flexible and customizable Multi-Factor Authentication technology, the CT47 keeps your data and mobile computer safe and secure. The fingerprint sensor is ideal for one-handed operation and easy to access biometric authentication. Multiple templates can be stored locally for multiple user login access. Facial recognition can be accessed from the front-facing camera to access the device quickly and securely. Registration is quick and user data is encrypted and stored locally.

FlexRange™ XLR Scan Engine

Armed with the latest FlexRange XLR scan engine, the CT47 provides high-powered scanning performance for the industrial warehouse workers and those that demand the farthest scanning technology. The ultimate in flexibility, FlexRange XLR enables virtually every scanning use case in a single, compact device without compromising range or speed, enabling businesses to focus on fewer device types to manage.

Powerful Enterprise Software

CT47 is compatible with software for retail, healthcare and last-mile delivery applications.

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.

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.

Honeywell SmartPay solution enables transport & logistic businesses with delivery and pickup operations to process secure, PCI-compliant payments, including simple tap-to-pay and pin-on-glass without bulky hardware add-ons.

FarEye Intelligent Delivery Management Platform

creates a great logistics experience for consumers with end-to-end visibility throughout the delivery journey.

Accessory Ecosystem

The CT47 arrives with a complete set of accessories, including Universal charge bases, which are adaptable for any Honeywell mobile computer form factor through the use of easily swappable cups. Other accessories include scan handles, vehicle docks, holsters, a protective boot for added ruggedness, an IH40 RFID handle, and spare standard and wireless batteries.

CT47 Mobile Computer Technical Specifications

MECHANICAL

Dimensions: 170 mm x 79 mm x 19.2 mm (6.69 in x 3.11 in x 0.75 in)

Weight: 314g (11.1oz) 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. USB OTG supported via I/O ports. USB 3.1 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): 3.0m (10ft) to concrete at room temperature per MIL-STD 810H booted. 2.4m (8 ft) to concrete at -20°C to 50°C (14°F to 122°F) per MIL-STD 810H booted; 2.4m (8ft) to concrete at room temperature per MIL-STD 810H, 1.8m (6ft) to concrete at -20°C to 50°C (14°F to 122°F) per MIL-STD 810H

Tumble: Exceeds 3500 0.5 m (1.64 ft) tumbles and 2000 1.0m (3.28 ft) tumbles per IEC 60068-2-32 specification

ESD: ±15 kV Air and ±8 kV Direct

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

SYSTEM ARCHITECTURE

Processor: Qualcomm QCS6490/QCM6490 octa-core, 2.7GHz

Operating System: Each Android version guaranteed from Android 12 to 16

Memory: 6GB DDR4x RAM, 128GB UFS Flash; 8GB DDR4x RAM, 128GB UFS Flash.

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

Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, Barometer, eCompass, Hall sensor, High-G sensor

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

SIM: Dual nano SIM; 1 eSIM and 1 nano SIM

Battery: Li-Ion, 4775mAh standard; 4680mAh Wireless. Smart battery with integrated diagnostics tools

Battery Warm Swap: Yes

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

Hours of Operation: 14+ hours

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

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

5G FR1: Bands 1, 2, 3, 4, 5, 7, 8, 12, 14, 20, 25, 28, 30, 38, 40, 41, 48, 66, 71, 77, 78, 79

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, 4, 5, 6, 8, 9, 19

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

4X4: MIMO supported

5G: n7, n38, n41, n48, n77, n78, n79

4G: B7, B41, B42, B43, B48

WLAN: Wi-Fi certified; Wi-Fi 6E certified IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax, 2x2 MU-MIMO;

Wi-Fi 6E (801.11ax); Dual Band Simultaneous(DBS); IPv4, IPv6

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

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

Bluetooth: V5.2 Bluetooth and BLE

2nd BLE: Available on all SKUs. Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, RATT

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), Contactless payment support.

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

One-year factory warrant

*Specifications are subject to change without notice

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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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.

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.

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

2nd 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.

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

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CT30 XP



Mobile Computer

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



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

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

Built 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.

FEATURES AND BENEFITS



Mobility Edge is a durable, stable and secure platform foundation for mobility solutions, providing longer lifecycles, 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 FlexRange™ scan engine empowers your workforce to scan barcodes with pinpoint accuracy and speed. From 10 cm to 20 m, the FlexRange engine can scan items near and far, high and low, and can precisely capture data from damaged or low visibility barcodes.

Honeywell

Modern Processor Ready for AI and Graphics-intensive Future Applications

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 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 Connectivity

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 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 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.

Wearable Solution

The CT30 XP wearable solution is a purpose-built wearable accessory that provides high efficient hands-free operations. The wearable solution is designed for maximum user comfort and easy swapping between workers. The CT30 XP device can also be easily removed from the wearable holder and used alone for in-store or other applications.

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, RFID reader handle for fast cycle counting and ruggedizing boot.



CT30 XP enterprise mobile computer in an elegant, lightweight design



CT30 XP wearable solution for a hands-free workflow

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 3.0 is supported via USB Type C.

Universal Dock Platform: Compatible

ENVIRONMENTAL

Operating Temperature: -10°C to 50°C (14°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 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.honeywell.com/PSScompliance

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

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

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Rugged Wearable Computer

The CW45 wearable computer is a rugged performance tool that helps improve productivity by ergonomically presenting the workflow information at the point of activity and integrating the tools needed to perform the job at hand.



Ultra-reliable performance, data connectivity, and communications for frontline mobile workers in warehouse/DC, retail, logistics, and manufacturing are only a glance away with the CW45. Designed from the ground up for comfort, ease of use, and reliability, the CW45 offers a low profile, large HD display, enterprise-level ruggedness, and comfortable, easy-to-wear accessories. The CW45 is designed for businesses that invest in sophisticated solutions and want a durable, stable, secure platform on which to implement them. Built on the newest generation of Honeywell's Mobility Edge™ platform, the CW45 delivers the lifecycle, security, and durability to optimize solution return on investment in the long term.

The CW45: A dedicated wearable mobile computer bringing optimized ergonomics and performance to arm-worn applications. Comfortable, powerful, compact, durable, and easy to use, the CW45 provides 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 CW45 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.



Designed expressly for wearable utility and premium comfort, the CW45 offers a low center of gravity, compact size, large HD display, the ability to hot-swap the battery without removing the device, and easy-to-use, durable wearable accessories that ensure the device comfortably stays in place for optimum hands-free operation.



Embedded with the latest Wi-Fi 6 technology, the CW45 increases data throughput, and provides a better experience on voice or video communications even in a highly dense connected environment.



Complete the solution set with software and accessories to mobilize your workforce. Connect the 8675i rugged wearable scanner (via Bluetooth or power cable) for rapid, reliable, and FlexRange™ data capture. Tap-to-pair with Honeywell Voice headsets. Implement Honeywell Guided Work Voice solutions. The full solution is ready to work when you are.

CW45 Technical Specifications

MECHANICAL

Dimensions: 133 mm x 86 mm x 14 mm

Weight: 263g (9.3 oz) with standard battery pack

328g (11.6 oz) with extended battery pack

Display Size: 11.9 cm (4.7 in)

Resolution: High-Definition (1280 x 720)

Backlight: LED

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

Soft Keys: F1, F2, and F3 keys along the bottom edge of the device. Default functions are Volume up, Volume down, and Enter. Reprogrammable by application.

Audio: PTT, VoIP ready, speaker, One microphone

I/O Ports:

Durable, flat I/O connector.

USB OTG supported

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 1.2m (4 ft) drops to concrete at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H).

Multiple 1.8m (6 ft) drops to concrete at 23°C to +50°C (73°F to +122°F) per MIL-STD-810H).

Tumble: Exceeds 1,000 times at 0.5m (1.64 ft) per IEC 60068-2-32 specification

ESD: ±8 kV direct; ±15 kV air

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

Thermal Shock: -30°C to +70°C

Disinfectant-ready housing enables frequent cleaning without cracking or fading durable plastic housing. Refer to User Guide for a list of approved cleaning agents.

SYSTEM ARCHITECTURE

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

Operating System:

Released with Android 12. Guaranteed support through Android 13, with a commitment to support through Android 14 and Android 15, subject to feasibility.

Memory:

6 GB DDR4x RAM, 64 GB UFS Flash

Camera:

13-megapixel side-facing camera;

8-megapixel front-facing camera

Sensors: Ambient light sensor, accelerometer, gyroscope, eCompass, high gravity sensor

Battery: Li-Ion; smart battery with integrated diagnostic tools

Standard Battery Pack: 3.6 V, 3400 mAh

Extended Battery Pack: 3.6 V, 6800 mAh

Battery hot swap: 1 minute duration

Charging: hours to be fully charged (25C):

Standard Battery Pack: 3 hours typical

Extended Battery Pack: 6.5 hours typical

Hours of Operation:**

Device config.	Screen brightness	Standard battery	Extended battery
Bluetooth connection to 8675i SR or FR scanner	50%	21	43.5
Bluetooth connection to 8675i SR or FR scanner	90%	11	22
Cabled connection to 8675iSR scanner	50%	12	24.5
Cabled connection to 8675iFR scanner	50%	14	26.5
Cabled connection to 8675iSR scanner	90%	7.5	16
Cabled connection to 8675iFR scanner	90%	9.5	17

*Specifications are subject to change without notice.

**Values represent average results as tested. Note: Batteries typically retain 80% of original capacity after 400 charge/discharge cycles. Test conditions: one scan per 4 seconds, display continuously on at illumination specified

Decode Capabilities: 1D/2D barcode symbologies, Honeywell SDKs for Android

Application Software: Honeywell Mobility Edge Utilities and Demos

WLAN:

Wi-Fi6 certified: IEEE 802.11 a/b/g/n/ac/ax and 2*2 MU-MIMO

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

(Personal and Enterprise)

Push to Talk (PTT): Supported

Supported EAP: TLS, PEAP, TTLS

Bluetooth®: V5.1 Bluetooth and BLE

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

WARRANTY

One-year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywell.com/PSScompliance.

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

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For more information

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