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.

ENERGY ELECTRONICS

Honeywell

Modern Processor Ready for AI and Graphics-intense 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.

CT30 XP enterprise mobile computer in an elegant, lightweight design

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.

CT30 XP wearable solution for a hands-free workflow

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 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-X0N: 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-X0N)

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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