CT30 XP HEALTHCARE

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.



MEDTECH BREAKTHROUGH AWARD 2022

DESIGN AWARD 2022

reddot design award winner 2002

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

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 EdgeTM, 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.

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.

BRADY

Modern Processor Ready for AI and Graphics-intense 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.



Fig 2: CT30 XP HC

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.

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 (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 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-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.honeywellaidc.com/compliance.

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

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