Honeywell

HANDHELD COMPUTERS

CT45 / CT45 XP

CT45 mobile computers, built on the Mobility Edge platform, are rugged, all-purpose productivity tools ensuring ultra-reliable performance, data connectivity and communications for front-line mobile workers in retail, logistics and fieldwork.

Overview

The CT45 product family offers an integrated, repeatable, and scalable approach based on a common hardware and software Mobility Edge™ platform – achieving enterprise stability and security via incorporating a powerful Qualcomm processor that is guaranteed to support from Android 11® throughout Android 13, Android 14 and 15 are committed subject to feasibility.

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 4 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.

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 can endure accidental drops and falls.

Fully integrated with the Honeywell Operational Intelligence solution, available with FlexRange™ and 7th Generation scan options, an 8-megapixel front facing camera, and a full suite of booted accessories, the CT45 product family extends the usability of an enterprise class device by offering a converged solution to cater to the demand of cycle counting, on-demand delivery, asset management etc. Coupled with a 1920*1080p full high-definition display, it significantly increases the user experience.

Specifications

FEATURES

Camera

- 13-megapixel rear camera
- 8-megapixel front camera

Application

- Retail, transportation & logistics, manufacturing, healthcare, and public service

DIMENSIONS

Overall Dimensions

- 163 mm x 79 mm x 19.2 mm

SCANNING SPECIFICATIONS

Decode Capability

- Honeywell FlexRange, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android

NETWORK

RFID Specifications

- 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)

Bluetooth Specifications

- 2nd BLE Available on CT45 XP only
- V5.1 Bluetooth and BLE

WWAN Specifications

- AT&T FirstNet Compliant
- LTE Advanced Support
- 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
- SIM: eSIM and NanoSIM (CT45XP) or 2 Nano SIMs (CT45)
- UMTS/HSPA+ (3G) – Bands 1, 2, 4, 5, 6, 8, 9, 19
- Up to 390 Mbps CAT13 LTE downlink
- Up to 75 Mbps CAT5 LTE uplink
- WWAN Radio (ATT/VZW/SPRINT/ TMO/NA/EU)

WLAN Specifications

- All SKUs: 802.11 d/e/h/i/k/r/v/u/w/mc
- All other configurations: IEEE 802.11 a/b/g/n/ac
- CT45 XP WLAN: IEEE 802.11 a/b/g/n/ac/ax and 2*2 MU-MIMO
- WLAN Security: OPEN, WEP, WPA/WPA2/WPA3 (Personal and Enterprise)
- WLAN: Wi-Fi certified

GPS Specifications

- 850, 900, 1800, 1900 (Quad Bands)
- GPS Supported Protocols: Simultaneous GNSS Receiver Support for GPS, GLONASS, Galileo, and Beidou, Assisted GPS

SOFTWARE & FIRMWARE

Operating System

- Each Android version guaranteed from Android 11 to at least 13, committed support for Android 14 and Android 15, pending feasibility

MEMORY & DATA

Memory

- 6 GB DDR4x RAM, 64 GB UFS Flash (CT45XP); 4 GB DDR4x RAM, 64 GB UFS Flash (CT45)
- User-accessible microSD card up to 512 GB (SDXC/SDHC/ SDIO-compliant)

HARDWARE

Display Resolution

- Full High Definition (1920 x 1080) (CT45XP)
- High-Definition (1280 x 720) (CT45)

Processor

- Qualcomm QCS4290/QCM4290 octa-core, 2.0GHz

Display Size

- 12.7 cm (5.0 in)

ELECTRICAL

Battery Types

- 2nd BLE Available on CT45 XP only

Battery Type

- Quick Charge 3.0 compliant; Less than 3 hours to be fully charged.
- Smart battery with integrated diagnostic tools

Battery capacity

- Li-Ion, 3.85 V, 4020 mAh

ENVIRONMENTAL

Operating temperature

- –20°C to +50°C (–4°F to +122°F)

Operating Humidity

- 5% to 95% (non-condensing)

Storage Temperature Range

- –30°C to +70°C (–22°F to +158°F)

STANDARDS & APPROVALS

Drop Specifications

- 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 Specifications

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

Incendiary Protection

- 850, 900, 1800, 1900 (Quad Bands)

SERVICE TERMS

Warranty Duration

- One-year factory warranty

ERP

Brand

- Honeywell

Read our solution brief to learn how the CT45 product family backed by the Honeywell Mobility Edge™ platform future proofs and protects a company's solution investment.

DOWNLOAD →

Honeywell
Industrial Automation
855 S Mint St
Charlotte, NC 28202
800-582-4263

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