Honeywell | INDUSTRIAL AUTOMATION

HANDHELD COMPUTERS

CT37 Handheld Computer

The CT37 mobile computer features a consumer phone experience with enterprise-class durability, manageability, support and lifecycle.

Overview



Feedback

The CT37 delivers a lightweight, user-friendly design that is built on the Mobility Edge™ platform, ensuring continuous productivity for front-line workers in retail, logistics, and healthcare.

The Mobility Edge™ platform is a durable, stable, secure foundation for which businesses build solutions around. The CT37 features a future compatible architecture that protects your investment, with Android support out to A18.

The housings on the CT37 are disinfectant ready and designed to withstand multiple cleanings from a variety of harsh cleaners. The housings stand up to multiple cleanings an hour by 34 different chemicals.

The CT37 is equipped with the latest 5G and Wi-Fi 6E technology, keeping you connected indoors and outdoors. 5G keeps mobile workers connected with the highest bandwidth and lowest latency available, reducing downtown and increasing productivity. The CT37 supports private 5G, CBRS, and Wi-Fi 6E, ensuring front-line workers stay connected.

Combined with powerful Honeywell software such as Operational Intelligence, Smart Talk unified communications and Smart Pay contactless payment, the CT37 is an ideal platform for users in retail, healthcare and transportation and logistics to build effective solutions.

With its hot-swappable battery feature, the CT37 eliminates interruptions for battery replacement, making it possible for extended operational use without downtime.

The CT37 also includes a secure element (SE) for preventing digital threats, adding a layer of physical security to the device. It ensures that sensitive information processed by applications on the SE is insulated and secured against unauthorized access.

Specifications

FEATURES

Application	For Use With	Housing Grade

- Retail, Transportation & Logistics, Field Operations and Healthcare

- Android

- Disinfectant Ready Housing

Features

- Compatible with Universal Dock

Camera

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

DIMENSIONS

Overall Dimensions

- 167.4 mm x 76.0mm x 12.6mm (6.6 in x 3.0 in x 0.5 in)

SCANNING SPECIFICATIONS

Decode Capability

- Honeywell FlexRange™ XLR S0803
- Standard Range Engine S0703 (1D/2D barcode symbologies)

NETWORK

WWAN Specifications

- 4G-LTE DL CAT-18: ~800 Mbps
- 4G-LTE UL CAT-15: ~200 Mbps
- 5G FR1: Bands 1, 2, 3, 5, 7, 8, 12, 13, 14, 20, 25, 26, 28, 29, 30, 38, 40, 41, 48, 66, 71, 77, 78, 79
- 5G NSA-DL: ~2500 Mbps, UL: ~1050 Mbps
- 5G SA-DL: ~2300 Mbps, UL: ~1050 Mbps
- AT&T FirstNet Compliant
- Global bands support, device certified with GCF-PTCRB, ATT, TMO, VZW
- LTE: Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 43, 48, 66, 71

WLAN Specifications

- Data rates: 2.4GHz: 802.11b/g/ax – 20MHz up to 286.8Mbps; 5GHz: 802.1/n /ac/ax -20MHz, 40MHz, 80MHz, 160MHz up to 2882Mbps; 802.11ax- 20MHz, 40MHz, 80MHz, 160MHz up to 2882Mbps.
- IEEE 802.11 a/b/g/n/ac/d/h/i/r/k /v/w/mc/ax, 2x2 MU-MIMO; Triband (2.4GHz, 5GHz, 6GHz); Wi-Fi 6E (801.11ax); Dual Band Simultaneous (DBS); IPv4, IPv6
- Supported EAP: TLS, PEAP, TTLS, PWD, LEAP, CCX compatible.
- WLAN Security: Enhanced open (OWE), WEP, WPA/WPA2/WPA3 (Personal and Enterprise)
- Wi-Fi certified; Wi-Fi 6E certified.

GPS Specifications

- GPS, GLONASS, Galileo, Beidou, QZSS, NavIC, Dual band GNSS-Concurrent L1/G1/E1/B1 with L5/E5a/BDSB2a, a-GPS, Supports XTRA

Feedback

Bluetooth Specifications

- V5.3 Bluetooth and BLE; 2nd BLE

RFID Specifications

- Integrated NFC reader, compliant with ISO/IEC 1443A, ISO/IEC 1443 B, ISO/IEC 15693 (ICode), MIFARE 1K/4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092 (Type F), Contactless payment support, ECP 1.0 and ECP 2.0.

Computer Wireless Communication

- 5G , WiFi 6E, BT5.3, NFC

SOFTWARE & FIRMWARE

Operating System

- Each Android version guaranteed from Android 14 to 18, subject to technical feasibility confirmed by Qualcomm

MEMORY & DATA

Memory

- 8GB DDR5 RAM, 128GB UFS 3.1 Flash

HARDWARE

Scan Engine Range

- Standard Range and FlexRange

Scan Engine Model

- Honeywell S0703 Slim Imager ; Honeywell FlexRange™ XLR S0803

Display Resolution

- Full High-Definition (2280 x 1080)

Processor

- Qualcomm QCS4490 or QCM4490 octa-core, up to 2.4GHz

Scan Engine Type

- Laser aimer

Display Size

- Gorilla Glass™ Victus™ , 6-inch

ELECTRICAL

Battery Capacity

- 3846mAh and 5550mAh

Battery Types

- Hot-swappable
- Replaceable

Battery Type

- Li-ion

ENVIRONMENTAL

Storage Temperature Range

- -30° to 70°C (-22°F to 158°F)

Operating Temperature

- -10° to 50°C (14°F to 122°F)

Operating Humidity

- 5% to 95% (non-condensing)

Feedback

STANDARDS & APPROVALS

Drop Specifications

- Multiple 1.2m (4ft) drops to concrete at operating temperature per MIL-STD 810H
- Multiple 1.5m (5ft) drops to concrete at operating temperature wtih boot per MIL-STD 810H
- Multiple 1.5m (5ft) drops to concrete at room temperature per MIL-STD 810H
- Multiple 1.8m (6ft) drops to concrete at room temperature wtih boot per MIL-STD 810H

Protection Ratings

- IP68/IP65

Tumble Specifications

- 550, 0.5m (1.6 ft) tumbles
- 550, 1.0m (3.3 ft) tumbles with protective boot

SERVICE TERMS

Warranty Duration

- 1 year

OTHERS

Operating System Type

- Android

Camera Position

- Fornt and Rear

Platform

- Mobility Edge™

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