



Honeywell CT37 - Lightweight, durable and disinfectable for retail and healthcare

- ✓ 6-inch display and only 241 g weight for fatigue-free working
- ✓ 5G and Wi-Fi 6E connectivity for fast, stable connections indoors and outdoors
- ✓ Durable and secure Mobility Edge platform that supports Android versions up to 18 for a long product lifetime
- ✓ Precise scanning of barcodes from up to 11 m away with a highly visible green dot laser
- ✓ Seamless battery replacement without interrupting operation

Features

Readable codes: 1D, 2D

Display: 6 inch Full HD (2280 x 1080 px), Gorilla Glass Victus, 600 nits brightness

Operating system: Android 14 to Android 18

Processor: Qualcomm QCS4490/QCM4490 Octa-Core, up to 2.4 GHz

Memory: 8 GB DDR5 RAM, 128 GB flash, expandable up to 2 TB via microSD

Feedback: LED, sound and vibration

Buttons: Volume up/down, left/right scan, power, push-to-talk

Connectivity: 5G, Wi-Fi 6E, Bluetooth 5.3, NFC, Dual-SIM (1 eSIM, 1 nanoSIM), USB 3.1

Additional features: 13 MP rear camera, 8 MP front camera, various sensors (including light, gyroscope, proximity and acceleration sensor)

Battery: 3846 mAh standard, 5550 mAh extended battery, hot-swappable, quick charge in less than 3 hours

Protection: IP65 and IP68, drop-proof from 1.5 m (without protective cover), 1.8 m (with protective cover)

Disinfection resistance: housing and connections withstand regular disinfection in accordance with healthcare requirements (model CT37 HC)

Operating temperature: -10 °C to 50 °C

Dimensions (W x L x H): 76.0 x 167.4 x 12.6 mm

Weight: 241 g (standard battery), 275 g (extended battery)

Optional accessories

1-, 4- and 5-way charging stations

1-, 4- and 5-way docking station

4-way battery charging station

Batteries

Handle with trigger

Protective Boot

Hand strap

Carrying clip

Wearable Kit

Screen protector film

USB-C plug for healthcare version

CT37 Mobile Computer - Retail Technical Specifications

MECHANICAL

Dimensions: 167.4 mm x 76.0mm x 12.6mm (6.6 in x 3.0 in x 0.5 in)

Weight:

8.5 oz (241.0 g) with standard battery pack

9.7 oz (275.0 g) with extended battery pack

Display Size: 15.2 cm (6.0 in)

Resolution: Full High-Definition (2280 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™ Victus™ for increased resistance to drops and scratch.

Backlight and brightness: LED; 600 nits

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: -10° to 50°C (14°F to 122°F)

Storage Temperature: -30° to 70°C (-22°F to 158°F)

Humidity: 5% to 95% (non-condensing)

Drop (Multiple):

Multiple drops to concrete as per MIL-STD-810H

DROP HEIGHT	TEMPERATURE
1.8m (6ft) with boot	Room temperature
1.5m (5ft) with boot	Operating temperature
1.5m (5ft)	Room temperature
1.2m (4ft)	Operating temperature

Tumble: 550, 0.5m (1.6 ft) tumbles and 550, 1.0m (3.3 ft) tumbles with protective boot per IEC 60068-2-32 specification

ESD: ± 15KV Air and ± 8KV Contact

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

SYSTEM ARCHITECTURE

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

Operating System: Each Android version guaranteed from Android 14 to 18, subject to technical feasibility confirmed by Qualcomm

Memory: 8GB DDR5 RAM, 128GB UFS 3.1 Flash

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

Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, Barometer (SKU dependent), eCompass, Hall sensor

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

SIM: 1 eSIM and 1 nano SIM

Battery: Li-Ion, 3846 mAh standard pack, 5550 mAh extended pack, smart battery with integrated diagnostics tools.

Battery Hot Swap: Yes

Charging: Quick charge 4.0 compliant; less than 3 hours to be fully charged

Hours of Operation: 12+ hours (standard battery, varies based on use case)

Decode Capabilities: Honeywell FlexRange S0803, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android.

Application Software: Honeywell Mobility Edge Utilities and Demos

WIRELESS CONNECTIVITY

WWAN: Global bands support, device certified with GCF-PTCRB, ATT, TMO, VZW

AT&T FirstNet Compliant

4G-LTE DL CAT-18: ~800 Mbps

4G-LTE UL CAT-15: ~200 Mbps

5G NSA-DL: ~2500 Mbps, UL: ~1050 Mbps

5G SA-DL: ~2300 Mbps, UL: ~1050 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

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

UMTS/HSPA+(3G): Bands 1, 2, 3, 4, 5, 6, 8, 19

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

Dual SIM/Dual standby, VoLTE, 5G NR FR (NSA, SA), Private network support in LTE and 5G-NR

4x4 Downlink MIMO supported on bands below:

5G: n2, n7, n25, n30, n38, n41, n48, n66, n77, n78, n79

4G: B2, B4, B7, B25, B30, B38, B41, B42, B43, B48, B66

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; Triband (2.4GHz, 5GHz, 6GHz); Wi-Fi 6E (801.11ax); Dual Band Simultaneous (DBS); IPv4, IPv6

Data rates: 2.4GHz: 802.11b/g/ax – 20MHz up to 286.8Mbps; 5GHz: 802.11/n/ac/ax – 20MHz, 40MHz, 80MHz, 160MHz up to 2882Mbps; 802.11ax – 20MHz, 40MHz, 80MHz, 160MHz up to 2882Mbps.

WLAN Security: Enhanced open (OWE), WEP, WPA/WPA2/WPA3 (Personal and Enterprise)

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

Bluetooth: V5.3 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 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.

VPN: IPSec V4/L2TP, PPTP

Push to Talk (PTT): Supported

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

WARRANTY

One-year factory warranty

*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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CT37 HC Mobile Computer Technical Specifications

MECHANICAL

Dimensions: 167.4 mm x 76.0mm x 12.6mm (6.6 in x 3.0 in x 0.5 in)

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Display Size: 15.2 cm (6.0 in)

Resolution: Full High-Definition (2280 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™ Victus™ for increased resistance to drops and scratch.

Backlight and brightness: LED; 600 nits

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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.

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Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, Barometer (SKU dependent), eCompass, Hall sensor

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

SIM: 1 eSIM and 1 nano SIM

Battery: Li-Ion, 3846 mAh, smart battery with integrated diagnostics tools.

Battery Hot Swap: Yes

Charging: Quick charge 4.0 compliant; less than 3 hours to be fully charged

Hours of Operation: 12+ hours (standard battery, varies based on use case)

Decode Capabilities: Honeywell N6700 (1D/2D barcode symbologies), Honeywell SDKs for Android.

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