



Honeywell CT45 & CT45 XP - Maximum productivity for demanding environments

- ✓ Powerful, uniform hardware and software platform
- ✓ Latest wireless data connections for use in all environments
- ✓ Robust and handy at the same time for fatigue-free work
- ✓ Optimal readability and operation on full HD touch screen
- ✓ Flexible barcode scanning over longer distances

Features

Readable codes: 1D, 2D

Display: 5 Zoll, Corning Gorilla Glass 5

Operating system: Android 11 to Android 13 (15)

Processor: Qualcomm QCS4290/QCM4290 Octa-Core, 2.0GHz

Memory: 6 GB DDR4x RAM, 64 GB UFS Flash (CT45XP); 4 GB DDR4x RAM, 64 GB UFS Flash (CT45)

Feedback: LED, sound and vibration

Buttons: 2 scan buttons, volume, on/off, push-to-talk

Communication: WLAN, LTE, Bluetooth, NFC, USB-C

Additional features: cameras (13 and 8 MP), various sensors, audio jack

Battery: 4020 mAh, 12+ h

Protection: IP65 and IP68, drop-proof up to 1.8m

Operating temperature: -20 - 50 °C

Dimensions (W x L x H): 79 x 163 x 19 mm

Weight: 282 g

Optional accessories

Single and multiple charging stations

Single and multiple docking stations

Vehicle mounts

Holster

Hand straps

Handles with trigger

Rubber Boots

Headset

Batteries with extended capacity

MECHANICAL

Dimensions: 163 mm x 79 mm x 19.2 mm

Weight: 282 g (9.9oz) with battery pack

Display Size: 12.7 cm (5.0 in)

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

Backlight: LED

Touch Panel: Rugged multi-touch capacitive touch panel, optically-bonded for extra durability. Glove, stylus and rain modes supported (CT45 XP). Water droplet rejection with screen protector mode. Covered with Gorilla Glass 5 for increased resistance to drops.

Hard Keys: Volume up/down key, left/right scan, power button, Push to Talk button.

Soft Key: On-screen scan button, reprogrammable into an application quick-launch key.

Audio: 3.5 mm jack**, PTT, VoIP ready, speaker, HAC-compliant.

Three microphones with noise cancellation

I/O Ports: Durable, flat I/O connector, USB Type C connector.

USB OTG supported via I/O ports

USB 3.0 is supported via USB Type C

Universal Dock Platform: Compatible

ENVIRONMENTAL

Operating Temperature: -20°C to +50°C (-4°F to +122°F)

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

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

Drop: Multiple 1.8 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: Exceeds 1,500 times at 1m (3.28 ft) per IEC 60068-2-32 specification

ESD: ±8 kV direct; ±15 kV air

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

Thermal Shock: -30°C to +70°C

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, pending feasibility

Memory: 6 GB DDR4x RAM, 64 GB UFS Flash (CT45XP); 4 GB DDR4x RAM, 64 GB UFS Flash (CT45)

Camera: 13-megapixel rear camera; 8-megapixel front-facing camera.

Sensors: Ambient light sensor, proximity sensor, accelerometer, gyroscope, magnetometer, barometer (Model dependent), eCompass (Model dependent), hall sensor, high gravity sensor

SIM:

CT45 XP: Available with configurations of eSIM and Nano SIM or configurations of 2 Nano SIMs

CT45: Available with configurations of 2 Nano SIMs

Storage Expansion: User-accessible microSD card up to 512 GB (SDXC/SDHC/SDIO-compliant)

Battery: Li-Ion, 3.85 V, 4020 mAh; smart battery with integrated diagnostic tools

Battery warm swap: Available on CT45 XP

Charging: Quick Charge 3.0 compliant; Less than 3 hours to be fully charged.

Hours of Operation: 12+ hours

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

Application Software: Honeywell Mobility Edge Utilities and Demos

WARRANTY

One-year factory warranty

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

CT45P-XON: IEEE 802.11 a/b/g/n/ac/ax and 2*2 MU-MIMO

CT45P-L1N, CT45-L1N, CT45-L0N: 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 compliant (except CT45XP WLAN)

Bluetooth®: V5.1 Bluetooth and BLE

2nd BLE: Available on CT45 XP

Bluetooth Profiles: 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, Assisted GPS

*** Specifications are subject to change without notice.**

**** 3.5mm jack is available on Wi-Fi version only.**