



Honeywell CW45 – Information and communication without restrictions

- ✓ Ergonomic with 4.7 inch HD display for optimal use
- ✓ Robust for maintenance-free use - from production to retail
- ✓ Best connectivity in all areas with WLAN, Bluetooth and NFC
- ✓ Android operating system and programmable buttons
- ✓ Latest generation of the Honeywell Mobility Edge platform

Features

Display: 4.7 inch, HD, Corning Gorilla Glass 5

Operating system: Android 12

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

Memory: 6 GB DDR4x RAM, 64 GB UFS Flash

Keys: F1, F2, F3, programmable

Communication: Wi-Fi, Bluetooth, NFC

Additional features: 13 / 8 MP cameras, various sensors

Battery: 3400 / 6800 mAh, , up to 21 h, hot-swap

Protection: IP65 and IP67, drop-proof up to 1.2 / 1.8 m

Operating temperature: -20 - 50 °C

Dimensions (W x L x H): 86 x 133 x 14 mm

Weight: 328 g

Optional accessories

Battery (Standard, Extended)

Keyboard

Honeywell 8675i Ring Scanner

1- and 4-fold docking station

4-fold docking station + 4 batteries or 4 ring scanner charging

Brackets for charging stations

Arm holder (3 sizes)

Comfort Pad

MECHANICAL

Dimensions: 133 mm x 86 mm x 14 mm

Weight: 263g (9.3 oz) with standard battery pack

328g (11.6 oz) with extended battery pack

Display Size: 11.9 cm (4.7 in)

Resolution: High-Definition (1280 x 720)

Backlight: LED

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

Soft Keys: F1, F2, and F3 keys along the bottom edge of the device. Default functions are Volume up, Volume down, and Enter. Reprogrammable by application.

Audio: PTT, VoIP ready, speaker, One microphone

I/O Ports:

Durable, flat I/O connector.

USB OTG supported

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 1.2m (4 ft) drops to concrete at -20°C to +50°C (-4°F to +122°F) per MIL-STD-810H).

Multiple 1.8m (6 ft) drops to concrete at 23°C to +50°C (73°F to +122°F) per MIL-STD-810H).

Tumble: Exceeds 1,000 times at 0.5m (1.64 ft) per IEC 60068-2-32 specification

ESD: ±8 kV direct; ±15 kV air

Environmental Sealing: Independently certified to meet IP65 and IP67 standards for moisture and particle intrusion

Thermal Shock: -30°C to +70°C

Disinfectant-ready housing enables frequent cleaning without cracking or fading durable plastic housing. Refer to User Guide for a list of approved cleaning agents.

SYSTEM ARCHITECTURE

Processor: Qualcomm QCS4290/QCM4290 octa-core, 2.0GHz

Operating System:

Released with Android 12. Guaranteed support through Android 13, with a commitment to support through Android 14 and Android 15, subject to feasibility.

Memory:

6 GB DDR4x RAM, 64 GB UFS Flash

Camera:

13-megapixel side-facing camera; 8-megapixel front-facing camera

Sensors: Ambient light sensor, accelerometer, gyroscope, eCompass, high gravity sensor

Battery: Li-Ion; smart battery with integrated diagnostic tools

Standard Battery Pack: 3.6 V, 3400 mAh

Extended Battery Pack: 3.6 V, 6800 mAh

Battery hot swap: 1 minute duration

Charging: hours to be fully charged (25°C):

Standard Battery Pack: 3 hours typical

Extended Battery Pack: 6.5 hours typical

Hours of Operation:**

Device config.	Screen brightness	Standard battery	Extended battery
Bluetooth connection to 8675i SR or FR scanner	50%	21	43.5
Bluetooth connection to 8675i SR or FR scanner	90%	11	22
Cabled connection to 8675iSR scanner	50%	12	24.5
Cabled connection to 8675iFR scanner	50%	14	26.5
Cabled connection to 8675iSR scanner	90%	7.5	16
Cabled connection to 8675iFR scanner	90%	9.5	17

Decode Capabilities: 1D/2D barcode symbologies, Honeywell SDKs for Android

Application Software: Honeywell Mobility Edge Utilities and Demos

WLAN:

Wi-Fi6 certified: IEEE 802.11 a/b/g/n/ac/ax and 2*2 MU-MIMO

WLAN Security: OPEN, WEP, WPA/WPA2/ WPA3 (Personal and Enterprise)

Push to Talk (PTT): Supported

Supported EAP: TLS, PEAP, TTLS

Bluetooth®: V5.1 Bluetooth and BLE

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

WARRANTY

One-year factory warranty