





# CW45 Technical Specifications

## 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 (25C):

**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

For a complete listing of all compliance approvals and certifications, please visit [www.honeywell.com/PSScompliance](http://www.honeywell.com/PSScompliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywell.com/PSS-symbologies](http://www.honeywell.com/PSS-symbologies).

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## For more information

[sps.honeywell.com](http://sps.honeywell.com)

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\*Specifications are subject to change without notice.

\*\*\*Values represent average results as tested. Note: Batteries typically retain 80% of original capacity after 400 charge/discharge cycles. Test conditions: one scan per 4 seconds, display continuously on at illumination specified