

# CK67

## Ultra-Rugged 5G Mobile Device

The CK67 mobile computers are ultra-rugged for the most demanding warehouse and DC environments and are designed to maximize productivity on the different workflows in the field.

The CK67 is enhanced for performance and ergonomics with a superior rugged design for any environment and is optimally balanced with durability and functionality in mind to keep business workflows moving and operations flowing. Combined with powerful software including Operational Intelligence, Smart Talk communications, and more, the CK67 is the ideal choice for users in DC and warehouse.

### Mobility Edge, a Durable, Stable, Secure Platform

Built on the newest generation of the Mobility Edge™ platform, a durable, stable, secure foundation for effective, long-lasting solutions, the CK67 delivers the lifecycle, security and durability required by serious businesses. The CK67 harnesses the latest Qualcomm 4490 processor and future-proofed memory technology for high performance with compatible support from Android 14 through 18. Combined with the powerful, cloud-based, Operational Intelligence asset optimization solution, IT leaders can empower operations with critical analytics to enable higher productivity and low TCO, all with a user experience that keeps front-line workers productive and engaged.

### Durable and Reliable

The CK67 is designed to endure the most challenging environments in warehouses and DCs. Warehouses are as busy as ever and operators need to keep their workflows running efficiently with maximum uptime. Users in warehouses can rely on the CK67, withstanding up to 8ft drops across operating temperatures and 4,000 1.0m tumbles. Users can be confident with the intense durability testing the CK67 undergoes before release, that it will solidify and keep operations and is the ultimate long-term investment.



Fig 1: CK67 Ultra-rugged 5G mobile computer on the Mobility Edge™ platform

## FEATURES AND BENEFITS



The Mobility Edge platform is a durable, stable and secure foundation for effective, long-lasting solutions, providing optimized performance and accelerated deployments in the field.



The ultra-rugged design on the CK67 makes it the optimal choice for the demanding environments for workers in DC and Warehouses, with one of the best in class drop and tumble ratings.



The CK67 comes with the latest 5G and Wi-Fi 6E technology to stay connected, including CBRS and private networks. 5G offers the highest bandwidth and lowest latency available, to provide a better experience on data intensive applications.



Quick and accurate data capture from 3 inches (8 centimeters) up to 80 feet (24 meters) with Honeywell's innovative FlexRange™ XLR scan engine; supporting virtually every use case



The CK67 is designed with the users in mind. With updated keypads, scan handle, and balance, the CK67 is primed for the best user experience in a warehouse device.

### **Modern Processor and Solid Connectivity**

With the latest octa-core processor loaded with Qualcomm AI engine and graphics processing, the CK67 has enough processing power to handle all traditional applications and stands ready to handle new, demanding applications that our customers are developing to deploy for their workflows.

The CK67 has the latest 5G and Wi-Fi 6E chipset technology to stay connected in both indoor and outdoor environments. With the latest 5G release, CK67 offers the highest bandwidth, versatility and lowest latency available for warehouse and DC workers to always stay connected. Whether you are on a private 5G or CBRS network, or a Wi-Fi 6E environment, your workers can continue their workflows with the most reliable uptime

### **Focus on Ergonomics**

The CK67 comes in an updated form factor, with a sleek modern design, a larger screen, and a more ergonomic scan handle to satisfy most users and applications. The keypads have updated buttons for responsiveness and better spacing, for an enhanced user experience. And the balance of the CK67 has been optimized to feel light in the hands of the users. The CK67 is a significant advance in a mobility device to enhance the user satisfaction.

### **FlexRange™ XLR Scan Engine**

Armed with the latest FlexRange™ XLR scan engine, the CK67 provides high-powered scanning performance for the industrial warehouse workers and those that demand the farthest scanning technology. The ultimate in flexibility, FlexRange™ XLR enables virtually every scanning use case in a single, device without compromising range or speed, enabling businesses to improve uptime

### **Powerful Enterprise Software**

The CK67 is compatible with powerful analytics software, the Operational Intelligence suite of solutions delivers deep operational insights, enables workflow automation that prevents issues before they happen and helps manage issues in real time to greatly reduce IT support costs.

The Smart Talk Unified Communications overcomes the problem of fragmented communications and empowers teams with enterprise-grade security for voice calling, text and media messaging, and user presence – all from one device

### **Accessory Ecosystem**

The CK67 arrives with a complete set of accessories, most which are backwards compatible, including Universal charge bases, which are adaptable for any Honeywell mobile computer form factor through the use of easily swappable cups. Other accessories include scan handles, vehicle docks, holsters, a protective boot for added ruggedness, and spare batteries.

# CK67 Ultra-Rugged 5G Mobile Device Technical Specifications

## MECHANICAL

**Dimensions:** 23.2 cm x 8.4 cm x 4.6 cm; 9.1in x 3.3in x 1.8in

**Weight:** 516g (including battery)

**Display Size:** 10.9 cm (4.3 in)

**Resolution:** 800 x 480

**Touch Panel:** Rugged multi-touch capacitive touch panel, optically bonded for extra durability and better sunlight viewability. Automatic detection and configuration utilizing mutual and selfcapacitance modes for water rejection and use with many off-the-shelf gloves. Covered with Gorilla Glass 7 for increased resistance to drops.

**Backlight:** LED

**Key pad:** 51 or 53-key alpha numeric, 38 or 42-key numeric function, or 30-key large numeric keypads, plus two programmable side buttons

**Audio:** Speaker, microphone support with noise cancellation. PTT support and Bluetooth® wireless headset support

**I/O Ports:** Durable, custom IO connector, USB Type C connector. USB OTG supported via I/O ports. USB 2.0 is supported via USB Type C.

**Universal Dock Platform:** Compatible **USB 2.0** is supported via USB Type C

## 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):** 8ft MilSpec drop across temp (-20C to 50C)

10ft MilSpec drop ambient temperature

10ft MilSpec drop across temperature (-20C to 50C) with Boot.

**Tumble:** Exceeds 4000 1.0m (3.28 ft) tumbles per IEC 60068-2-32 specification

**ESD:** ±15 kV Air and ±8 kV Direct

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

## SYSTEM ARCHITECTURE

**Processor:** Qualcomm QCS4490/QCM4490 octa-core

**Operating System:** Each Android version guaranteed from Android 14 to 18.

**Memory:** 8GB DDR5 RAM, 128GB UFS Flash.

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

**Sensors:** Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, 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, 7000mAh. Smart battery with integrated diagnostics tools

**Battery Hot Swap:** Yes

**Charging:** Fastest available charge time is via USB-C 2.0.

**Decode Capabilities:** Honeywell FlexRange™, Honeywell FlexRange™ XLR, Honeywell S0703 (1D/2D barcode symbologies), Honeywell SDKs for Android, DPM supported via license

**Application Software:** Honeywell Mobility Edge Utilities and Demos

## WIRELESS CONNECTIVITY

**WWAN:** WWAN Radio

**Global bands support, device certified with GCF-PTCRP, ATT, TMO, VZW**

**AT&T FirstNet Compliant**

**LTE Advanced Support**

**Up to 390 Mbps CAT13 LTE downlink Up to 75 Mbps CAT5 LTE uplink**

**4G-LTE DL Cat-18, ~800 Mbps**

**4G-LTE UL Cat-18, ~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

**4X4 MIMO supported**

**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 -upto 286.8 Mbps; 5GHz: 802.11n/ac/ax- 20MHz, 40MHz, 80MHz, 160MHz upto 2402Mbps; 802.11ax- 20MHz, 40Mhz, 80MHz, 160Mhz-upto 2402 Mbps.

**WLAN Security:** OPEN, 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 14443 A, ISO/IEC 14443 B, ISO/IEC 15693 (iCode), MIFARE 1K / 4K, MIFARE DESFire, Sony FeliCa, ISO/IEC 18092 (Type F), Contactless payment support.

**VPN:** IPSec V4/L2TP, PPTP

**Push to Talk (PTT):** Supported

**GPS Supported Protocols:** GPS, GLONASS, Galileo, Beidou, NAVIC, QZSS.

Dual-Band GNSS – concurrent L1/G1/E1/B1 (GPS/QZSS, GLONASS, Galileo, Beidou) + L5/E5a/B2a (GPS/QZSS, Galileo, Beidou);

a-GPS, Supports XTRA, SBAS.

## Warranty

One-year limited factory warrant

\*Specifications are subject to change without notice

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For S0703/ N6803 / S0803 ENGINE



For S0803FR ENGINE

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