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.



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

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.

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.

Honeywell

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 FlexRangeTM 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, FlexRangeTM 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, vehicles docks, holsters, a protective boot for added ruggedness, an IH45 RFID handle, and spare batteries.

CK67 Ultra-Rugged 5G Mobile Device Technical Specifications

MECHANICAL

Dimensions: 22.7cm x 8.3cm x 4.2cm; 8.3in x 3.3in x 1.6in

Weight: 508g

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 3.1 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): 2.4 m (8 ft) to concrete at -10°C to 50°C (14°F to 122°F) per MIL-STD 810G booted; 2.4m (8ft) to concrete at room temperature per MIL-STD 810G.

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 DDR4x RAM, 128GB UFS Flash.

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

Sensors: Ambient light sensor, Proximity sensor, Accelerometer, Gyroscope, Magnetometer, Barometer, eCompass, Hall sensor, High-G sensor

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

SIM: Dual nano SIM; 1 eSIM and 1 nano SIM

Battery: Li-Ion, 7000mAh. Smart battery with integrated diagnostics tools

Battery Hot Swap: Yes

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

Hours of Operation: 28 hours

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, 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: 802.1/n/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: Availble 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

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.

Mobility Edge is a trademark or registered trademark of Honeywell International Inc.

FlexRange is a trademark or registered trademark of Honeywell International Inc.

Windows is a trademark or registered trademark of Microsoft Corporation.

Bluetooth is a trademark or registered trademark of Bluetooth SIG, Inc.

Gorilla Glass and Corning are trademarks or registered trademarks of Corning, Inc.

Android is a trademark or registered trademark of Google LLC.

Google is a trademark or registered trademark of Google LLC.

Qualcomm and Snapdragon are trademarks or registered trademarks of Qualcomm Incorporated.

All other trademarks are the property of their respective owners.



For more information
automation.honeywell.com

Honeywell Industrial Automation
855 S Mint St
Charlotte, NC 28202
800-582-4263
www.honeywell.com

CK67 Ultra-Rugged Mobile Device Datasheet | Rev A | 06/24
© 2024 Honeywell International Inc.

Honeywell