

# CK75

## Ultra-Rugged Mobile Computer

Honeywell offers a true no-compromise solution with the CK75 Ultra-Rugged Mobile Computer. In addition to being 31% smaller and lighter than any other form factors in its class, the CK75 mobile computer is optimized for warehouse and distribution environments with premium, industrial-grade materials for the perfect balance of ruggedness and duty cycle, along with features that focus on enabling flexibility and agility, even in the most extreme conditions. Extend the use of the CK75 mobile computer into cold storage and freezer environments with the heater-equipped Cold Storage CK75 Mobile Computer.

When workload demands shift unexpectedly, the CK75 mobile computer gives workers the flexibility to quickly transition to tasks that require near or far scanning, speech, voice and image capture, without wasting time finding and reorienting themselves on unfamiliar devices. Because the CK75 mobile computer supports Honeywell wired or wireless headsets and voice software, customers have the option of traditional or voice-enabled workflows. With a dual-band 802.11 a/b/g/n WLAN radio, the CK75 mobile computer delivers rock-solid performance and consistently fast response times, even in areas where you might experience low signal levels or intermittent connections.

The CK75 mobile computer also offers unparalleled deployment flexibility, allowing the choice of Windows® Embedded Handheld 6.5 or Android™ 6 operating systems on a single device. Today's Windows Embedded Handheld 6.5 users can continue to deploy CK75 mobile computers into their existing applications running existing software. When the time comes for a transition to new applications based on Android, the CK75 units can be converted to Android 6, saving the investment in computers and peripherals.



*Smaller and lighter than others in its ultra-rugged class, the CK75 mobile computer is optimized for warehouse and distribution environments with premium, industrial-grade materials and next-generation features for maximum business agility.*

## FEATURES & BENEFITS



31% smaller and lighter than leading devices in the ultra-rugged class.



Supports Windows Embedded Handheld 6.5 and Android 6.0 Marshmallow operating systems for flexible application support and migration.



Withstands 2.4 m (8 ft) drops to concrete, 2000 (1 m) tumbles and has an IP67 seal rating against water and dust.



Industry's fastest and farthest imaging engines deliver superior motion tolerance and barcode read performance.



Optional Cold Storage version includes touch screen and scan window heaters to support use for extended periods in freezers as well as transitions into and out of freezer areas.

# CK75 Technical Specifications

## PHYSICAL CHARACTERISTICS

**Dimensions with Battery (L x W x D):** 23.7 cm x 8.0 cm x 5.0 cm (9.33 in x 3.16 in x 1.98 in)

**Weight:** 584 g (19.75 oz) with battery

**Width:** Grip area 6.42 cm (2.53 in)

## ENVIRONMENTAL

**Operating Temperature:**

**Standard Temp Unit:** -20°C to +60°C (-4°F to +140°F), transitory exposures to -30°C (-22°F)

**Cold Storage Unit:** -30°C to +60°C (-22°F to +140°F)

**Storage Temperature:** -30°C to +60°C (-22°F to +140°F)

**Charging Temperature:** +5°C to +35°C (+44°F to +95°F)

**Relative Humidity:** Non-condensing, 95%

**Rain and Dust Resistance:** IP67

**Cold Storage:** IP65

**Tumble Spec:** 2,000 (1 m) tumbles per IEC 60068-2-32 specification

**Drop Spec:** 2.4 m (8 ft) to concrete per MIL-STD 810G; 1.8 m (6 ft) to concrete across operating temperature range per MIL-STD 810G

**Electrostatic Discharge:** +/-15 kV air discharge, +/-8 kV direct discharge

## POWER

**Battery Pack:** 3.7 V, 5200 mAh; Li-Ion, removable, rechargeable

## OPERATING SYSTEM

Microsoft® Windows Embedded Handheld 6.5

Android 6.x.x Marshmallow with GMS

## MICROPROCESSOR

Texas Instruments 1.5 GHz OMAP 4470 dual-core, multi-engine processor architecture

## MEMORY AND STORAGE

**RAM:** 2 GB RAM

**ROM:** 16 GB Flash

**Storage Expansion:** Customer-accessible micro-SD slot for removable memory cards up to 32 GB

## DISPLAY

8.9 cm (3.5 in) Transmissive VGA

480 x 640 pixels

65,536 (16-bit RGB) colors

High-durability touch screen

Hardened Corning® Gorilla® Glass display for superior durability

LED backlight

Ambient light sensor

## STANDARD COMMUNICATIONS

USB – Full Speed 2.0 Host,

USB – Full Speed 2.0 Client

## SOFTWARE

**WINDOWS EMBEDDED HANDHELD 6.5**

**Device Management:**

**SmartSystems™ Foundation** provides a single, integrated environment for hands-free deployment and management of devices on-site or remote. Also compatible with leading third-party device management products.

**ScanNGo** for easy barcode-based enterprise-wide device provisioning. It can be used to download device management software from Honeywell ISVs.

**CloneNGo**, a peer-to-peer device management software that enables simple device cloning, eliminating the need to use a management console for device provisioning.

**Support for third-party MDM solutions**

**Application Development:** Honeywell Developer Library

**Device Health Monitoring:** On-board monitoring of key subsystems including scanning, communications and battery life

**Honeywell Enterprise Client Pack:** Terminal Emulation and HTML 5 Browser

**Optional Launcher:** Application locking

## ANDROID

**Device Management:**

**EZ Config** for easy barcode-based enterprise-wide device provisioning. It can be used to download device management software from Honeywell ISVs.

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**Device Health Monitoring:** On-board monitoring of key subsystems including scanning, communications and battery life

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**Optional Launcher:** Application locking

## INTEGRATED RADIOS

**Wireless LAN:** IEEE 802.11a/b/g/n dual-band WLAN

**Security:** Wi-Fi Certified for WPA and WPA2, WAPI Certified

**Authentication:** IEEE 802.1x

**Cisco Compatibility:** CCXv4

**Encryption:** WEP (64- or 128-bit), AES, TKIP

**Wireless PAN:** Integrated Bluetooth® Power Class 1.5 Version 4

## SENSOR TECHNOLOGY

**Accelerometer:** Embedded accelerometer enables automatic or application-specific features such as screen rotation or system suspend

## AUDIO SUPPORT

Supports VOIP/speech recognition/push-to-talk applications; front and rear speakers; rear speaker >80 dB at 40 cm (15.7 in); front receiver and front panel microphone for handset audio communication and audio recording; wireless Bluetooth headset support; wired headset support via snap-on adapter

# CK75 Technical Specifications, continued

## INTEGRATED SCANNER

**EX25 Near/Far High-Performance 2D Imager:** Capable of scanning 1D and 2D barcodes from 15.2 cm to 16.2 m (6 in to 50 ft)

**N5603ER High-Performance 2D Imager:** Capable of scanning all common 1D and 2D barcodes; 1D as small as 5 mil; standard UPC codes up to 53 cm (21 in)

**Optional licensing** for Direct Part Marking (DPM) reading capability

## INTEGRATED CAMERA OPTION

5-megapixel auto-focus color camera with LED flash

## KEYPAD OPTIONS

Both keypad options feature hard keycaps with wear-resistant, laser-etched legends.



**NUMERIC WITH  
FUNCTION KEYS**



**ALPHANUMERIC**

## HONEYWELL GLOBAL SERVICES SUPPORT

Contact for support: [www.hsmcontactsupport.com](http://www.hsmcontactsupport.com)

**Public Knowledgebase Articles:**  
[www.hsmknowledgebase.com](http://www.hsmknowledgebase.com)

**Telephone support** available in North America (800-782-4263). Outside of this area, contact your local representative.

## ACCESSORIES

FlexDock modular docking system, vehicle dock and holder, snap-on adapters, removable scan handle and magnetic stripe reader

## REGULATORY APPROVALS AND COMPLIANCE

1001CP01

**Safety:** cULus Listed, BSMI

**EMC:** Class B – FCC/ICES/EN, GOST-R

**Radio:** FCC w/HAC, Industry Canada, CE, A-tick (AU), NCC, IDA, ICASA, POSTEL, NTC, ETA, SIRIM, ANATEL

**Environmental:** EU Directives – WEEE; RoHS; Batteries and Accumulators; Packaging and Waste Packaging

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

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

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## For more information

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