

## CK71

### Ultra-Rugged Mobile Computer

Honeywell offers a true no-compromise solution with the CK71 Ultra-Rugged Mobile Computer. In addition to being 31% smaller and lighter than other form factors in its class, the CK71 mobile computer is optimized for your 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 CK71 mobile computer into hazardous locations with the non-incendive certified (Div. 2) CK71.

When workload demands shift unexpectedly, the CK71 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 re-orienting themselves on unfamiliar devices. Because CK71 supports Honeywell wired or wireless headsets and voice software, customers have the option of traditional or voice-enabled workflows with this product. With a dual-band 802.11n WLAN radio, the CK71 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 unique device health reporting capability of the CK71 mobile computer provides insight never before available to allow workers and IT administrators to monitor and prevent issues before they impact operations. Key subsystems including battery life, scanning and communications can be monitored by either the mobile worker via an on-board dashboard or remotely through the Honeywell SmartSystems™ Foundation management console, resulting in optimization and better utilization of your mobile computing assets.



*Smaller and lighter than others in its ultra-rugged class, the CK71 mobile computer is optimized for warehouse and distribution environments with premium, industrialgrade materials and next-generation features for maximum business agility.*

The CK71 mobile computer is just one model out of four ergonomic designs that are available in the 70 Series family. Each model includes choices of radios, keypads, imagers, software and services, giving you the option of tailoring a specific solution to meet the various application areas within your environment and the preferences and needs of your employees. With a single platform approach, the 70 Series family reduces infrastructure complexity and cost. The single computer architecture, software build, set of peripherals and charging system that is shared between the 70 Series products brings simplicity to the frequent tasks of software updates, training new employees, managing spares pools and charging devices.

## FEATURES & BENEFITS



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



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



Exceptional peripheral support and snap-on accessories provide versatility for every distribution environment.



Advanced power and battery management technologies extend device run time and reduce the expense of replacement batteries.



Non-incendive options for hazardous locations.

# CK71 Technical Specifications

## PHYSICAL CHARACTERISTICS

### Dimensions with Battery (L x W x D):

23.7 x 8.0 x 5.0 cm (9.33 x 3.16 x 1.98 in)

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

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

Hardened Corning® Gorilla® Glass display for superior durability

## ENVIRONMENTAL

**Operating Temperature:** -20°C to +60°C

(-4°F to +140°F)\*, transitory exposures to -30°C

**Storage Temperature:** -30°C to +70°C

(-22°F to +158°F)

**Charging Temperature:** +5°C to +35°C

(41°F to 95°F)

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

**Rain & Dust Resistance:** IP67

**Drop Specification:** 2.4 m (8 ft) to concrete per

MILSTD 810G; 1.8 m (6 ft) to concrete across

operating temperature range per MIL-STD

810G; 2,000 (1 m) tumbles per IEC 60068-2-32

specification

**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 6.5.3

## MICROPROCESSOR

Texas Instruments 1 GHz OMAP3 multi-engine processor architecture

## MEMORY & STORAGE

**Memory:** 512 MB RAM

**ROM:** 1 GB Flash

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
- LED backlight
- Ambient light sensor

## STANDARD COMMUNICATIONS

USB – Full Speed 2.0 OTG®, USB – Full Speed 2.0 Client® IrDA

## SOFTWARE

Optional Honeywell Enterprise Client Pack

(Terminal Emulation HTML5 Browser)

**ScanNGo:** quick device configuration/provisioning via scanning

Modular updates: decreases reimaging needs

## INTEGRATED RADIOS

**Wireless LAN:** IEEE®802.11a/b/g/n Dual

Band WLAN

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

**Authentication:** 802.1x

**Cisco Compatibility:** CCXv4

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

**Wireless PAN:** Integrated Bluetooth® Class II,

Version 2.1+EDR

**Operating Channels:** 0 to 78 (2402–2480 MHz)

**Data Rates:** 1, 2, 3 Mbps

Antenna: Internal

## 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

## INTEGRATED SCANNER

**EX25 Near/Far 2D High-performance Imager:**

capable of scanning 1D and 2D barcodes from

15.2 cm to 15.2 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

(+1 800 782 4263). Outside of this area, contact

your local representative.

## ACCESSORIES

FlexDock modular docking system, vehicle dock

and holder, snap-on adaptors, removable scan

handle and magnetic stripe reader

## REGULATORY APPROVALS & COMPLIANCE

1001CP01

**Safety:** cULus Listed, DEMKO, BSMI

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

**Radio:** FCC w/HAC, Industry Canada, CE0981,

A-tick (AU), C-tick (NZ), NCC, OFTA, IDA, ICASA,

POSTEL, NTC, ETA, SIRIM, ANATEL, 61 countries

in total

**Environmental:** EU Directives-WEEE; RoHS;

Batteries & Accumulators; Packaging &

Waste Packaging

## NON-INCENDIVE VERSION

**70 Series family with NI certification comply with the following:**

Suitable for use in Division 2 locations

**Safety:** cULus Listing - ISA/ANSI 12.12.01

**Gases:** Class I - Groups A, B, C, D

**Dusts:** Class II - Groups F, G

**Fibers and Flyings:** Class III

\* Maximum Ambient Temperature: 50°C T6



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).

## Honeywell Sensing and Productivity Solutions

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