Honeywell

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
Public Knowledgebase Articles:
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

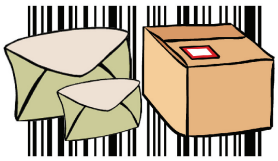
REGULATORY APPROVALS & COMPLIANCE
1001CP01
Safety: cULus Listed, DEMKO, BSMI
EMC: Class B – FCC/ICES/EN, GOST-R
Radio: FCC w/HAC, Industry Canada, CE0981, A-tick (AU), C-tick (NZ), NCC, OFTA, IDA, ICASA, POSTEL, NTC, ETA, SIRIM, ANATEL, 61 countries in total
Environmental: EU Directives-WEEE; RoHS; Batteries & 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**.
For a complete listing of all supported barcode symbologies, please visit **www.honeywellaidc.com/symbologies**.

Honeywell Sensing and Productivity Solutions
9680 Old Bailes Road
Fort Mill, SC 29707
800-582-4263
www.honeywell.com



WALZ
Label & Mailing Systems
624 High Point Ln, East Peoria, IL 61611-9329
(309) 698-1500 T/F (877) 971-1500

CK71-DS | Rev B | 08/16
© 2016 Honeywell International Inc.

Honeywell