Honeywell | Mobile Computers

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

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.

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

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

Public Knowledgebase Articles: 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.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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