

CK70

Ultra-Rugged Mobile Computer

The CK70 Ultra-Rugged Mobile Computer targets the unique needs of courier express and parcel and postal operations with features that focus on increasing efficiency and delivering unparalleled reliability for track-and-trace and proof-of-delivery applications, even in the most extreme conditions.

In addition to being 12 percent smaller and lighter than other form factors in its ultra-rugged class, the CK70 computer supports workers in this fast-moving mobile environment with an application-specific keyboard layout that is both slender and backlit to allow for effortless, all-day single-handed use.

Honeywell has developed an imaging engine with unsurpassed performance, capable of scanning barcodes moving at up to 12.7 m (500 in) per second, enabling the CK70 computer to provide remarkable motion tolerance and high read rates even in a highly dynamic work environment. The CK70 aiming system, featuring bright white LED illumination and a red laser aimer optimized for all lighting conditions, projects downward at a 35° angle, allowing easier scanning of barcodes on parcels and enabling your mobile workers to view the screen while scanning.

The CK70 includes a brilliant VGA display with a wear-resistant Gorilla® Glass touch panel providing twice the service life of older touch panel technologies. Industrial-grade polycarbonate keys with indestructible laser-etched legends ensure that the CK70 computer stays in your workers' hands instead of the repair depot.

The CK70 computer's no-compromise approach includes an industrial-grade superscalar multi-engine processor that offers faster performance with lower power consumption. The CK70 can



The CK70 mobile computer is purpose-built to optimize efficiencies in demanding courier express and parcel delivery environments.

be relied upon to deliver the power and performance you require as well as reduce the expenses associated with replacement batteries. This no-compromise design extends to radio connectivity, as well. Whatever your wide-area communication environment, the 70 Series offers an option to meet your needs.

The CK70 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. The CK70, and the 70 Series family of mobile computers, provides unparalleled performance in extreme operating conditions, enabling you to run your operations with confidence.

FEATURES & BENEFITS



Flexible radio technology provides optimal network coverage and a superior solution for implementing low-cost routing strategies.



One of the industry's fastest imaging engines delivers superior motion tolerance, a laser aiming system and an optimized scanning angle for maximum productivity.



On-board diagnostics and Incontrol Managed Services provide device health visibility.



Part of Honeywell's comprehensive enterprise business solutions including printers, application software, communications, peripherals and accessories.



Non-incendive option for hazardous locations.

CK70 Technical Specifications

PHYSICAL CHARACTERISTICS

Dimensions with Battery (L x W x D):
23.7 x 8.0 x 4.3 cm (9.33 x 3.16 x 1.69 in)
Weight: 562 g (19 oz) with battery
Width: grip area 6.42 cm (2.53 in)

ENVIRONMENTAL

Operating Temperature:
-20°C to +60°C (-4°F to +140°F)*
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 MIL-STD 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; IEEE 1725 compliant, Li-Ion, removable, rechargeable

OPERATING SYSTEM

Microsoft® Windows® Embedded Handheld 6.5

MICROPROCESSOR

Texas Instruments 1 GHz OMAP 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) Transflective 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 APPLICATIONS & COMPONENTS

Device Management: Honeywell SmartSystems™ Foundation support includes ScanNGo provisioning for use alone or with device management software from Honeywell ISVs
Device Health Monitoring: Remote access requires SmartSystems management option
Application Development:
[Honeywell Developer Library](#)
Imaging Solutions: Honeywell Shipment Address Verification (SAV) and Mobile Document Imaging (MDI) are compatible, licensed and sold separately
In-Premise Clients: Optional factory pre-loaded Honeywell Enterprise Client Pack (TE and Browser); Honeywell Browser

Web Browsing: Honeywell HTML5 Browser

Device Lockdown: Honeywell Launcher

DATA MANAGEMENT

Skynax® Mobile Communications

INTEGRATED RADIOS

Wireless WAN Options

Data & Voice Options

UMTS/HSUPA

- **UMTS Frequencies:**
800, 850, 900, 1900, 2100 MHz
- **GSM/GPRS Frequencies:**
850, 900, 1800, 1900 MHz
- **Max Speeds (Network Dependent):**
Uplink – 5.76 Mbps; Downlink – 7.2 Mbps

CDMA/EVDO Rev. A

- CDMA Frequencies: 800, 1900 MHz
- Max Speeds (Network Dependent):
Uplink – 1.8 Mbps; Downlink – 3.1 Mbps

Data Only Option

Flexible Network™

- **UMTS/HSPA+ Frequencies:** 800, 850, 900, 1700, 1900, 2100 MHz
- **GSM/GPRS/EDGE Frequencies:** 850, 900, 1800, 1900 MHz
- **Max Speeds (Network Dependent):**
Uplink – 5.76 Mbps; Downlink – 14.4 Mbps
- **CDMA/EV-DO Frequencies:**
800, 1900 MHz
- **Max Speeds (Network Dependent):**
Uplink – 1.8 Mbps; Downlink – 3.1 Mbps

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

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

Cisco® Compatibility: CCXv4

Authentication: 802.1x

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

GLOBAL POSITIONING SYSTEM

12-channel integrated GPS; network-independent autonomous mode; supports assisted operation via WAN

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

EA30 High Performance Motion-Tolerant 2D Imager

white LED illumination; red laser aimer optimized for all lighting conditions; 35-degree downward scan angle; capable of scanning all common 1D and 2D barcodes; 1D as small as

5 mil; PDF as small as 6.6 mil; data matrix as small as 7.5 mil; standard UPC codes from distances up to 33 cm (13 in)

INTEGRATED RFID READER OPTION

The CK70 is available with integrated UHF RFID reading capabilities. For more information, see the [70 Series RFID product page](#).

INTEGRATED CAMERA OPTION

5-megapixel auto focus color camera with LED flash

KEYPAD OPTIONS

Both keypad options feature hard keycaps with laser-etched legends

Large alpha with backlit numeric legends

Alphanumeric numeric legends



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, vehicle holder, snap-on adaptors and magnetic stripe reader

REGULATORY APPROVALS & COMPLIANCE

1001CP01C, 1001CP01C-H1, 1001CP01U, 1001CP01U-H1

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 Flying: 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

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