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 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 × W × D): 23.7 × 8.0 × 4.3 cm (9.33 × 3.16 × 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 across operating temperature range 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) Transreflective VGA
480 x 640 pixels
65,536 (16-bit RGB) colors
High-durability touch screen
65,536 (16-bit RGB) colors
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65,536 (16-bit RGB) colors
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KEYPAD OPTIONS
Both keypad options feature hard keycaps with laser-etched legends
Large alpha with backlit 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-INCENDINE VERSION
70 Series family with Nl certification comply with the following:
Suitable for use in Division 2 locations
Safety: cULus Listed - ISA/ANSI 12.12.01
Gases: Class I - Groups A, B, C, D
Dusts: Class II - Groups F, G
Fibers and Flying: Class III

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

Honeywell HTML5 Browser
Device Lockdown: Honeywell Launcher

DATA MANAGEMENT
Skylynx® Mobile Communications

INTEGRATED RADIOS
Wireless Options
Data & Voice Options
UMTS/HSDPA
- 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/HSDPA+ 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 - 1.9 Mbps; Downlink - 3.1 Mbps

WLAN: 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

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.