Product profile

CK71

Ultra-rugged Mobile Computer

The Intermec CK71 is the no compromise, next generation ultra-rugged mobile computer that achieves true functional agility with the perfect balance of ruggedness, duty cycle and ergonomics for the most demanding distribution environments.

- **31% smaller and lighter than leading devices in the ultra rugged class**
- **Industry's fastest and farthest imaging engines delivering superior motion tolerance and barcode read range**
- **Exceptional peripheral support and quick change snap-on accessories provide versatility for every distribution environment**
- **On-board diagnostics and INcontrol Managed Services provide device health visibility**
- **Advanced power and battery management technologies extend device run time and reduce expense of replacement batteries**
- **Dual band 802.11n radio for pervasive wireless coverage**

We Didn't Compromise; Neither Should You

Balancing cost control with customer satisfaction requires true supply chain agility. Delivering on that vision requires your staff to be equally agile, with the ability to react to every situation quickly, confidently and accurately.

However, finding the optimal rugged mobile business solution to achieve supply chain agility can often present another balancing act: satisfying the needs and preferences of operations management, users and IT, *without* trade-offs and sacrifices.

Intermec is the first to offer a no-compromise solution with the CK71 ultra-rugged mobile computer. In addition to being 31% smaller and lighter than other form factors in its ultra-rugged class, the CK71 is optimized for your warehouse and distribution environments with premium, industrial grade materials for the perfect balance of ruggedness and duty cycle along with next generation features that focus on enabling flexibility and agility, even in the most extreme conditions.

To create the smoothest possible integration into your workflows, we surrounded it with a complete set of software, tools, services and training modules, delivered by us and from our global network of best-in-class reseller and ISV partners.

Every 70 Series mobile computer comes pre-loaded with Intermec's ScanNGo client to provide a premium device provisioning experience to simplify and expedite device staging operations. The standalone ScanNGo client enables CK71 users to provision, configure and automatically download application software in a matter of seconds rather than minutes by simply reading pre-configured barcodes.

Every Second Counts

When workload demands shift unexpectedly, the CK71 gives you the flexibility to re-deploy staff without consideration to the tools needed to get the job done. As a result, workers can quickly and confidently 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.

With the industry's first dual-band 802.11n WLAN radio, the CK71 delivers rock solid performance and consistently fast response times, even in areas where you might experience low signal levels or intermittent connections with traditional 802.11a/b/g products.

And by combining the latest generation of superscalar multi-processor architecture that delivers up to three times the performance

Intermec®

at half the power consumption of legacy processors along with state-of-the-art battery health diagnostics, the CK71 can be relied upon to deliver the power and performance you require as well as reduce the expenses associated with replacement batteries.

The CK71 leverages Intermec's industry-leading near/far area imager, capable of scanning from 15.2 cm up to 15.2 m (6 in up to 50 ft) allowing you the flexibility to read both 1D and 2D barcodes without the need for specialized scanners. For highly dynamic environments, the CK71 also offers Intermec's latest achievement: the industry's fastest imaging engine, capable of scanning barcodes moving at up to 12.7 m (500 in) per second, enabling the CK71 to provide remarkable tolerance to hand or barcode movement.

An Ounce of Prevention

The pace and competitiveness of business today depends on your ability to identify and prevent problems before they impact your productivity, and ultimately your customers' satisfaction.

The unique device health reporting capability of the CK71 provides insight never before available to allow workers and IT administrators to monitor and prevent issues *before* they impact operations. Key sub-systems including battery life, scanning, and communications can be monitored by either the mobile worker via an on-board dashboard or remotely through the Intermec SmartSystems™ console resulting in optimization and better utilization of your mobile computing assets.

For customers who want a trusted partner to take over the day-to-day task of managing and troubleshooting their mobile devices and WLAN infrastructure, Intermec's INcontrol managed services portfolio offers flexible, integrated mobile device and wireless network management service options via a hosted web based tool set. Through INcontrol, technical experts from Intermec or one of its qualified PartnerNet members, assumes these tasks allowing customers to achieve a lower total cost of ownership (TCO).

Based on a Shared Platform

The CK71 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 providing 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 is unique in its ability to reduce 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.

Break the Cycle of Infrastructure Replacement

All of the 70 Series products are supported by a new docking system designed to maximize the return on your investment in charging and communications infrastructure and greatly reduce the space you must devote to it. Called FlexDock, the system uses a common 2- or 4-position base, combined with cups for mobile computers and battery packs in any combination, to adapt the base your specific needs.

In addition to wall mounting, FlexDock offers expanded mounting options to facilitate the use of standard IT equipment racks for better backroom space utilization and smaller footprint requirements.

When it's time to migrate or upgrade equipment, cost and complexity are reduced because existing cups can be easily replaced with new cups corresponding to the next generation solution, allowing the original bases and supporting components to be reused.

Confidence to Meet Your Goals

When the reliability, efficiency and accuracy of your operations are the foundation to your competitive advantage, there is no room for compromise. The Intermec CK71, and the 70 Series family of mobile computers, provides unparalleled performance in extreme operating conditions enabling you to run your operations with confidence.

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

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: 1.8m (6 ft) to concrete, across operating temperature range, per MIL-STD 810G 2000 – 1 meter tumbles
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 built on Windows 6.5.3 technology
Getting started information:
www.windowsmobile.com/getstarted

Multi-Processor Architecture
Texas Instruments OMAP 3530, 600 MHz, multi-core processor with superscalar architecture

Memory and Storage
Memory: 512 MB RAM (approximately 384 MB available)
ROM: 1 GB Flash (Approximately 800 MB available)
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©

Software
Device Management: Intermec SmartSystems™ support includes ScanNGo provisioning for use alone or with device management software from Intermec ISVs
Device Health Monitoring: Remote access requires SmartSystem Management option

Application Development: Intermec Developer Library
www.intermec.com/dev

Apps & Components
VERDEX (Imaging based data extraction and verification), Mobile Document Imaging (eMDI), Intermec Client Pack (Terminal Emulator/Browser)

Data Management
Skynax® Mobile Communications

Integrated Radios
Wireless LAN: IEEE®802.11 a/b/g/n Dual Band WLAN
Security: WiFi 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
Digital Compass: Integrated, independent digital compass provides directional information

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 Options
EV12 linear Imager with laser-like aimer; Capable of scanning 1D barcodes at standard range

EA30 high performance motion-tolerant 2D Imager; white LED illumination; red laser aimer optimized for all lighting conditions; 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; and standard UPC codes from distances up to 33 cm (13 in)

EX25 near/far 2D Imager; Capable of scanning 1D and 2D barcodes from 15.2 cm to 15.2 m (6 in to 50 ft)

Integrated Camera Option
5 Megapixel auto focus color camera with LED flash

Keypad Options
Both keypad options feature hard keycaps with laser-etched legends

Numeric with function keys

Alphanumeric

Intermec Global Services Support:
www.intermec.com --> Support --> Knowledge Central
Telephone support available in the USA & Canada (+1-800-755-5505). Outside of this area, contact your local representative.

Maintain software and device configuration with INcontrol Managed Services. Current listing of all Intermec service products can be found at: www.intermec.com/services

Accessories
FlexDock modular docking system, vehicle dock and holder, snap on adaptors, removable scan handle, and magnetic stripe reader

Regulatory Approvals and Compliance
1001CP01
Safety: cULus Listed, DEMKO, BSMI (pending)
EMC: Class B – FCC/ICES/EN, GOST-R
Radio: FCC w/HAC, Industry Canada, CE 0981 Φ, A-tick (AU), C-tick (NZ), NCC (pending), OFTA (pending), IDA (pending), ICASA (pending), POSTEL (pending), NTC (pending), ETA (pending), SIRIM (pending), ANATEL (pending), 61 countries in total
Environmental: EU Directives-WEEE; RoHS; Batteries & Accumulators; Packaging & Waste Packaging

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Intermec SmartSystems™

Cisco Compatible | Wi Fi CERTIFIED | Windows Embedded Handheld | RoHS compliant

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