

Preliminary
Product profile

CK₃ Series

Mobile Computer



- **Highly adaptable to meet ever-changing data capture and communication needs**
- **Built on a robust architecture required to successfully support in-premise applications**
- **Latest generation of imaging technology for outstanding scanning productivity**
- **Speech and voice functionality support today's requirements for increased productivity**
- **Loaded with SmartSystems™ for automatic, remote device management**
- **RFID enabled via snap-on reader handle**

A broad range of data collection and communication features form the foundation for the Intermec CK3 mobile computer, enabling it to adapt to a variety of in-premise applications. The CK3 supports businesses in their pursuit to improve their operational performance metrics, simplify IT support and control operating costs.

The CK3 packs a breadth of capabilities into a slim case, allowing users to easily and comfortably adapt to ever-changing data capture and communications needs, both today and in the future.

With image capture, revolutionary imager-based scanning, RFID-ready, speech and voice, all supported by 802.11a/b/g and Bluetooth® radio communication, enterprises can avoid the expense and complexity of deploying a series of single-purpose devices to meet a variety of data collection and communication needs.

The CK3 embeds Intermec's latest generation of imaging technology for outstanding scanning productivity and compliance to the most recent industry standards. Intermec imaging technology delivers the assurance of fast 1D and 2D barcodes scanning, unmatched performance on poor quality and damaged barcodes, and

unmatched flexibility in scanning range. Intermec has combined best-of-class platform components including the latest Microsoft embedded operating system, Windows Mobile 6.1, and Cisco® Compatible Extensions (CCX) certification, ensuring seamless interoperability with Cisco wireless networks, to provide the robust architecture required to successfully extend enterprise applications to the CK3.

For seamless migration from prior Intermec computers and proven, out-of-the-box integration with many warehouse and retail systems, the CK3 is available with Intermec TE 2000™ and iBrowse™ software. Designed and tested to optimize CK3 performance in emulation environments, TE 2000 connects the CK3 to host applications using terminal emulation and features support for multiple host sessions, security, session persistence and a complete set of data collection options. Using iBrowse, a data collection browser, web applications can leverage advanced CK3 imaging and RFID features while ensuring that user access is limited to pre-approved websites.

For fast and easy device deployment and maintenance, the CK3 also supports Intermec's SmartSystems™. Connect computers to the network, configure settings, and install software remotely to lower IT effort and reduce total cost of ownership.

The CK3 meets rugged, standards-based environmental specifications for the rigors of warehouse use, but in a slim, well-balanced form factor appropriate for an in-store setting. The CK3 has uniquely combined an 89mm (3.5 in) QVGA display with a keyboard design comfortable enough for single-handed use.

Mobile worker productivity can be boosted when the CK3 is coupled with the convenience of Intermec mobile printers, such as the PB42 receipt printer and PB50 label printer.

Physical Description

The CK3 mobile computer is a handheld, ruggedized, battery-powered, key-based computing device consisting of a color, QVGA resolution screen with touch and stylus input, Flash-based program storage, expansion capability for data storage capability (micro-SD), BT, 802.11a/b/g radio communication, and connectivity through USB Host and USB (Client).

Operating System

Windows Mobile 6.1 Classic Edition

Physical Characteristics

Length: 216.6 mm (8.53 in.)
Width: 83.6 mm (3.29 in.) – display area
Width: 61.0 mm (2.40 in.) – grip area
Height: 36.2 mm (1.43 in.) – grip area
Weight: 453 grams (16.0 oz.) – standard battery pack
Weight: 566 grams (20.0 oz.) – extended battery pack

Hardware

Microprocessor: Intel PXA270 / Marvell PXA270M Processor 520 MHz
RAM: 128MB
Flash ROM: 256MB H3 Disk on-chip FLASH
Memory/Storage Extension: Micro SDIO card slot, user accessible

Integrated Scanning Options

1D linear imager
2D area imager
2D near-far, auto-focusing area imager

North America

Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

South America & Mexico

Headquarters Office
Newport Beach, California
Phone: (949) 955-0785
Fax: (949) 756-8782

Europe/Middle East & Africa

Headquarters Office
Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

Asia Pacific

Headquarters Office
Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet

www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Supports all popular symbologies including Code39, UPC/EAN, Code 128, Interleaved 2of5, Code 93, Codabar, Code 2of5, MSI, Plessey, Code 11, Matrix 2of5, Telepen, PDF417*, Micro PDF417*, Maxicode*, Datamatrix*, QR Code*, RSS 14, RSS Limited, RSS Expanded, Codablock A*, Codablock F*, UCC Composite, Postnet*, Planet*, Australia Post*, BPO (British Post 4-state)*, Dutch Post*, Japan Post*, Sweden Post*, Canada Post*, China Post (Matrix 2 of 5) *, Aztec*, TLC39*, Infomail*, User Defined Multi-Code* (Symbologies marked * are not compatible with EV12)

Power

Standard Battery Pack: Removable, rechargeable Lithium-Ion; 3.7V, 2000mAh (7.4 Watt-hours)
Extended Battery Pack: Removable, rechargeable Lithium-Ion; 3.7V, 5100mAh (18.5 Watt-hours)
Battery Life: Application dependent
Recharging Time: 7 hours or less at 0°C - 45°C

Environment

Operating Temp: -10° C to +50° C
Storage Temp: -20° C to +70° C
Environmental Protection: IP54 compliant
Drop Survival: Multiple 1.5 m drops to steel or concrete
Humidity: 5 to 95%, non-condensing
Electrostatic Discharge: ±8 KV Contact and ±15 KV Air Discharge

Display

3.5" (89 mm) QVGA (240 x 320 pixel)
64K color transreflective TFT -LCD with LED backlight with touch panel

Keypad Options

51-key full-alpha or 38-key numeric; both with LED backlighting and laser etched keycaps

Software

SmartSystems out of the box functionality with integrated solutions from leading third party data and device management products.
Connectivity options: Real-time or batch; wired or wireless.
Intermec Developer's Library (IDL): Integrates with leading development environments; supports device-specific features, bar code scanning, printing, communications, and configuration control. Provides C, .NET (VB.NET and C#), JAVA, and Web interfaces
Development Environments: Microsoft Visual Studio, .NET compact Framework, JVM
Browser Support: Internet Explorer Mobile
Terminal Emulation Support: Optional factory pre-load of Intermec TE2000 and iBrowse.

Sales

Toll Free NA: (800) 934-3163
Toll in NA: (425) 348-2726
Freephone ROW: 00 800 4488 8844
Toll ROW: +44 134 435 0296

OEM Sales

Phone: (425) 348-2762

Media Sales

Phone: (513) 874-5882

Customer Service and Support

Toll Free NA: (800) 755-5505
Toll in NA: (425) 356-1799

Standard Communications

USB Host and Client
Ethernet via desktop dock
Bluetooth® Class 2, v2.0 + EDR
RS232 Serial via snap-on adapter, vehicle dock

Wireless LAN Standards Compliant

IEEE 802.11a (5 GHz – OFDM)
IEEE 802.11g (2.4 GHz – OFDM)
IEEE 802.11b (2.4 GHz – DSSS)

Data Rates

Up to 54 Mbps for 802.11a
Up to 54 Mbps for 802.11g
Up to 11 Mbps for 802.11b

Power Output

100 mW maximum

Security

WEP, WPA, 802.1x (EAP-TLS, TTLS, LEAP, PEAP), 802.11i
Certifications: Wi-Fi, WPA2, Cisco Compatible (CCX)

Wireless PAN

Integrated Bluetooth® Class 2, V2.0 + EDR compatible module for wireless

Audio Support

Internal speaker

RFID Support

Ready to accommodate field-attachable RFID reader handle via wired (USB) or Bluetooth

Accessories

AC Power Supply, snap-on auto adapter; snap-on RS232 Adapter (power on pin-9); USB Host/Client single dock with spare battery charging cavity; single dock Ethernet module; Ethernet quad dock; charge-only quad dock; quad External battery charger; Powered Vehicle Dock; Non-Powered Vehicle Dock; field-attachable scan handle; screen protector kit; tethered stylus kit; hand strap replacement kit; battery charger adapter for IP30 batteries; holster.

Regulatory Approvals/Compliance (Series includes models CK3a; CK3n; CK3c)

Safety: cULus Listing, GS, AS/NZS 60950, BSMI (pending)
EMC: FCC Part 15 - Class B, ICES-003 Class B, EN 55022 Class B, EN 55024, EN 301 489-17; AS/NZS 3548 (pending)
Radio: FCC Part 15.247, Industry Canada RSS-210, EN 300 328-2, AS/NZS 4771, NCC, TELEC (pending)
Other: Compliant with all applicable EU Directives – EMC, Low Voltage, R&TTE, vehicle, WEEE, RoHS, Packaging & Waste Packaging

The CK3 Series includes CK3, CK3a, CK3n, CK3c models.

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