

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
- Non-Incendive option for hazardous locations (CK3N)

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, optional RFID reader, 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 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. Extend the use of CK3 into hazardous locations with the non-incendive certified (Div. 2) CK3N.

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 Terminal Emulator (ITE) and Intermec Browser (IB) software. Designed and tested to optimize CK3 performance in emulation environments, ITE 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 IB, 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 (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® XScale PXA270 / 520 MHz
RAM: 128MB
Flash ROM: 512MB 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



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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: Microsoft Internet Explorer Mobile &
Terminal Emulation Support: Optional factory pre-load of Intermec Client Pack (ITE & IB)

Standard Communications

- USB Host and Client
- Ethernet via single dock with separate Ethernet adapter module
- Ethernet quad 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)

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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 & MIC, headset support through snap-on adapter

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 (requires separate 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

The CK3 Series includes CK3A, CK3A1, CK3N, CK3N1, CK3C, CK3C1 models
Safety: cULus Listing, GS
EMC: FCC Part 15 - Class B, ICES-003 Class B, EN 55022 Class B
Radio: FCC Part 15.247, Industry Canada RSS-210, EN 300 328
Other: Compliant with all applicable EU Directives - EMC, Low Voltage, R&TTE, vehicle, WEEE, RoHS, Packaging & Waste Packaging
 Contact your local Sales Representative for other country specific approvals

Non-Incendive Version

CK3N configuration consists of Model CK3N1
 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 flyings: Class III
Max Ambient: 50°C T6

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