

Intermec

Product Profile



- Based on industry standard platform Microsoft® Windows® CE .NET
- Powerful Intel® XScale™ processor
- Brilliant backlit ¼ VGA display with pen/touch
- Integrated 1D/2D scanner choices
- High performance 802.11b/g radio with industry security standards
- Advanced ergonomic design for comfort

CK31 HAND HELD COMPUTER

The Intermec® CK31 mobile data collection terminal continues the tradition of delivering on Intermec's promise of rugged, reliable computing, thoughtful ergonomic design and high throughput.

The CK31 delivers the right blend of features and performance with the Microsoft® Windows® CE .NET operating system to provide the optimum combination of real time operation, tools support and standard connectivity.

Intermec has added features that enhance mobile data collection such as a simplified menu system and display icons to provide intuitive, graphic-based status information. Browser-based applications can easily be implemented with Microsoft Internet Explorer.

The Intel® XScale™ processor provides more than enough power to drive the bright color display, a range of peripherals, repetitive scanning and wireless network traffic. It delivers the level of response time and throughput required for real time, mission-critical applications in warehousing and distribution.

The CK31 screen can be read in a variety of indoor and outdoor conditions. Its full "quarter VGA" resolution features a touch screen, so the CK31 is able to run both

traditional, text-based applications or today's more graphic interface.

A full 52 key alphanumeric keyboard provides flexibility for applications that range from shipping and receiving, put-away and picking to cycle counting for the warehouse floor.

The device offers a new area imager for the greatest scanning flexibility by supporting all significant 1D and 2D symbologies. An optional user-installable and removable pistol grip handle is ideal for highly repetitive scanning.

The CK31's Wi-Fi® certified 802.11b/g radio, including compatibility with a Cisco infrastructure, insures the best available wireless network throughput and reliability. A convenient communication dock provides wired host connectivity.

Security features of the CK31 support the highest level of protection. It complies in full with 802.1x standards including the Windows standard EAP-TLS and PEAP, EAP-TTLS and compatibility with many existing networks with LEAP support.

The CK31 includes a high capacity lithium-ion battery "back" for at least a full shift of usage without having to change the battery.

Physical Description

The CK31 is a rugged handheld mobile data collection computer featuring an embedded Microsoft® Windows® CE .NET operating system and an Intel™ XScale™ PXA255 processor.

Physical Characteristics

Length: 233 mm (9.2 in.)
Height: 41 mm (1.6 in.) at grip area
Width at grip: 71 mm (2.8 in.)
Weight: 594 grams (20.8 oz). 723 grams (25.3 oz) with handle.

Hardware

Microprocessor: Intel XScale PXA255, 400 MHz
Memory: 64 MB RAM and 64 MB non-volatile Flash
Memory/Storage extensions: Secure Digital (SD) card slot, user accessible.
Display: 240 x 320 (1/4 VGA) backlit transreflective display with 3.5" diagonal supporting 16-bit color depth (65K colors) and resistive panel touch screen. Integrated stylus storage slot on backside of computer.
Keypad: Bezeled elastomeric keypad with 52-key alphanumeric layout including 4 function (F) keys for one-touch convenience. Options* for 42-key function/numeric and 50-key alphanumeric.
Interfaces: Options* for Bluetooth™ and Ethernet 10/100 base T docking (batch model)

Operating system

Microsoft Windows CE .NET 4.2

Software

Terminal Emulation: VT/ANSI, 5250, 3270. Supports Intermec TE2000* and third party solutions, RDP/Remote Terminal Services
Development Environments: Embedded Visual C++ 4.0, .NET Compact Framework (VB .NET and C#)
Browser support: IE6
Software Development Kit: Supports device-specific features and bar code scanning
Bundled productivity applications: WordPad, Transcriber and Imager scan demo program

Bar Code Scanning

Integrated 1D/2D area imager
Supports all popular 1D and 2D symbologies including: Code 39, I 2 of 5, S 2 of 5, Matrix 2 of 5, Code 128, Code 93, Code 93i, Codabar, Codablock, MSI, Plessey, UPC, EAN/EAN128, ISBT128, Code 11, RSS, Telepen, PDF417, Micro-PDF417, UCC-EAN Composite, Maxicode, Datamatrix, QR Code.
 Options* for linear (1D) imager, standard range laser and longer range laser.

Integrated radio

Data Rates: Up to 54 Mbps per 802.11g; 11 Mbps per 802.11b
Antenna: Internal
Standards Compliant: IEEE 802.11g (2.4 Ghz.-OFDM)/IEEE 802.11b (2.4 GHz - DSSS)
Radio Power: 50 mW
Security: WEP, WPA, 802.1x (EAP-TLS, TTLS, LEAP, PEAP), Microsoft VPN*
Certifications: Wi-Fi, WPA
 Cisco Compatible logo indicates compatibility with a Cisco infrastructure

Device Management

Centralized remote support capability; Configures, updates and maintains single devices or entire populations; Real-time or batch, wired or wireless; Based on Wavelink Avalanche™ with Intermec's value added utilities

Speaker

Loud (70 dB) programmable "beeper" with adjustable frequency and duration for scanning feedback or audio indicator under program control

Power

Battery Type: Lithium-Ion 2400 mAh, 7.4V with 10 min. RAM backup (supercap)
Battery Life: 8 or more hours at typical usage level

Environment

Operating Temperature: -20° to 50°C (-4° to 122°F)
Storage Temperature: -20° to 60°C (-4° to 140°F)

Humidity: 10 to 95% non-condensing
Electrostatic Discharge: 6KV contact, 12KV air
Environmental protection: IP64 – completely sealed for dirt and dust, and protected from splashing water and rain.
Drop Survival: Multiple 1.5m/5 ft. drops to steel or concrete; limited drops at 1.8m (6ft)
Vibration and shock protection: Tested to MIL-PRF-28800F standards

Accessories

Vehicle mount docks: Powered, non-powered*
Communications and charging docks: Single bay communications cradle with serial/USB/Ethernet*, 4-slot communications dock with serial/Ethernet.
Chargers: 4-slot battery charger, 4-slot terminal charge-only dock.
I/O interface: USB version 1.1 (through dock) or serial RS-232 (through dock or adapter)
Serial adapters: Snap-on for DB9 interface
User Accessories*: Pistol grip handle; holster; hand strap; wrist strap; protective case, protective boot, swiveling belt clip

Regulatory Approvals

UL Listed, UL 60950 and C22.2 No. 60950, TÜV Rheinland GS, EN 60950 and EN 60825-1, Mexico, NYCE Certified NOM 19, FCC Part 15, Canada, ICES-003 Class B, EN 55022 / CISPR 22, Class B, EN 55024. Compliant with all European directives, CE marked.

* Future release



North America

Corporate Headquarters
 6001 36th Avenue West
 Everett, Washington 98203
 tel: 425.348.2600
 fax: 425.355.9551

Systems & Solutions
 550 2nd Street S.E.
 Cedar Rapids, Iowa 52401
 tel: 319.369.3100
 fax: 319.369.3453

Media Supplies
 9290 Le Saint Drive
 Fairfield, Ohio 45014
 tel: 513.874.5882
 fax: 513.874.8487

Canada
 7065 Tranmere Drive
 Mississauga, Ontario
 L5S 1M2 Canada
 tel: 905.673.9333
 fax: 905.673.3974

Europe/ Middle East & Africa

Headquarters
 Sovereign House
 Vastern Road
 Reading RG1 8BT
 United Kingdom
 tel: 44.118.987.9400
 fax: 44.118.987.9401

Asia

Asia Regional Office
 26-16 International Plaza
 10 Anson Road
 Singapore 079903
 tel: 65.6324.8391
 fax: 65.6324.8393

Beijing Representative Office
 29 FL, Unit A1, China Merchant Tower
 118 Jian Guo Road
 Chaoyang District, Beijing 100022
 Tel: 86 10.5165.5922
 Fax: 86 10.6567.6778

Australia

Level 7, 200 Pacific Highway
 Crows Nest, NSW 2065
 Australia
 tel: 61.2.9492.4400
 fax: 61.2.9954.6300

South America & Mexico

Intermec South America Ltda.
 Rua Samuel Morse 120 9 andar
 Brooklin CEP04576-060
 São Paulo, SP
 Brazil
 tel: 55.11.5502.6770

Intermec Technologies de Mexico
 Av Tamaulipas #141, Primer Piso
 Col. Hipodromo Condesa
 Mexico, DF, 06140 Mexico
 tel: 525.55.211.1919
 fax: 525.55.211.8121

Internet

www.intermec.com

Sales

800.347.2636
 (toll free in N.A.)
 tel: 425.348.2726

Service and Support

800.755.5505
 (toll free in N.A.)
 tel: 425.356.1799

Copyright © 2004 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 611591-02A 12/04

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

Intermec®
 expect MORE®