

# CN2B

## Mobile Computer



- PDA form factor built to withstand the rigors of field use
- Delivers improved TCO over commercial grade devices
- Features and functionality common to higher priced, larger mobile devices
- Choices of radios, keypads and platforms to fit the job at hand
- SmartSystems™ device management capabilities for batch or real-time updates and maintenance

The CN2B combines the convenience of shirt pocket size for the ultimate in mobility, with all the ruggedness and reliability you've come to expect from Intermec, the number one supplier of rugged pocket PCs for the enterprise.

The CN2B, with either batch or local area radio connectivity is ideal for store operations/management applications within the retail industry. Additionally, the CN2B offers Microsoft® Windows Mobile® and Bluetooth® support, making it a good fit for field service, direct store delivery, or in-transit visibility applications. The CN2B is ideally suited for those applications that can run in near-real-time by connecting to a mobile phone when integrated WWAN capabilities are not required.

The CN2B shares the compact form factor of a commercial PDA, including single-handed operation, the similarities stop there. The thoughtfully designed feature set is packaged to survive heat, humidity and multiple drops to concrete or steel, allowing you to minimize your total cost of ownership.

Research has proven that investments in rugged mobile computing devices versus commercial grade pay off in a lower total cost of ownership as early as two years into the life of the device.

Device management capabilities are uncommon for this class of mobile computer; however the CN2B has integrated Intermec's SmartSystems™, a centralized one-to-one device management solution for remote support capability. The CN2B also features Wavelink Avalanche™ for remote maintenance of entire populations of devices. This solution allows the user to configure, update or maintain the CN2B mobile computer in real time or batch saving time and money.

This mobile computer relies on the proven, powerful combination of the Intel® XScale™ processor with the Microsoft® Windows CE or Windows Mobile operating system to deliver a perfect balance of real-time data collection performance with full-shift power management functionality required by the application demands of retail store management and field sales and service.

In addition, the CN2B relies on Intermec's WiFi® certified 802.11 b/g radio, which ensures consistent performance by providing the best available wireless network throughput and reliability.

The CN2B leverages the Intermec EV10 linear scan engine with 3.3V low power operation to preserve battery life for mobile computing applications. With no moving parts and no laser diode, the EV10 has a

longer life than any laser scanner (MTBF above 250K). The CN2B has received Cisco Certified Extension (CCX) ensuring compatibility with a Cisco infrastructure.

The user accessible secure digital card slot provides more than sufficient data storage and back up capabilities for today's demanding applications.

#### Physical Description

The CN2B is a rugged pen based handheld mobile data collection computer featuring an embedded Microsoft® Windows® operating system and an Intel™ XScale™ PXA255 processor. The shirt pocket, PDA-like form factor, integrated linear imager and choice of radios make the CN2B the ideal computer for the mobile worker.

#### Physical Characteristics

**Length:** 147 mm (5.8 in.)  
**Height:** 35 mm (1.4 in.)  
**Width:** 86 mm (3.4 in.)  
**Weight:** 370 grams (11.9 oz)

#### Hardware

**Microprocessor:** Intel XScale PXA255; 400 MHz  
**Display:** 240 x 320 (quarter VGA) transreflective display with 3.5" diagonal supporting 16-bit color depth (65K colors) and resistive panel touch screen. Integrated stylus storage slot.

#### Software

**Development Environments:** Embedded Visual C++ 4.0, .NET Compact Framework (VB .NET and C#)  
**Browser Support:** IE6 compatible  
**Software Development Kit:** Supports device-specific features and bar code scanning  
**Bundled Productivity Applications:** WordPad, Transcriber and Imager scan demo program

#### Scan Activation

Left/Right/Top scan buttons, with continuous scan mode.

#### Integrated Radio

Bluetooth Class 2, v. 1.1 standard  
**Optional:** 802.11b/g  
**Data Rates:** Up to 54 Mbps with 802.11g; 11 Mbps with 802.11b; Bluetooth Class 2, v. 1.1

**Antenna:** Internal

**Standards Compliant:** IEEE 802.11g (2.4 GHz - OFDM), IEEE 802.11b (2.4 GHz - DSSS)

**Radio Power:** 802.11g 16mW. 802.11b 30mW

**Security:** WEP, WPA, WPA 2, EAP-FAST, 802.1x (EAP-TLS, TTLS, LEAP, PEAP)

**Certifications:** Wi-Fi, WPA, Cisco Compatible logo indicates compatibility with a Cisco infrastructure

#### Device Management

**SmartSystems™ Support:** A centralized one-to-one device management solution for remote support capability. Also features Wavelink Avalanche™ for remote maintenance of entire populations of devices. Both solutions allow the user to configure, update or maintain the CN2 mobile computers in real time or batch.

#### Speaker

Loud (80 dB) programmable "beeper" with adjustable frequency and duration for scanning feedback or audio indicator under program control. The CN2B features an audio jack.

#### Power

**Battery Type:** Lithium-Ion 2150 mAh, 3.7V with 5 min. NiMH RAM backup  
**Battery Life:** 8 or more hours at typical usage level  
**Recharging Cycle:** 4 hours

#### Environmental Specifications

**Humidity:** 5 to 95% non-condensing  
**Electrostatic Discharge:** 6KV contact, 12KV air  
**Vibration and Shock Protection:** Tested to MIL-PRF-28800F standards

#### Accessories

**I/O Interface:** USB version 1.1 (through dock)  
**Serial Adapters:** Snap-on for DB9 interface to serial or printer peripherals (externally powered)

#### Regulatory Approvals

UL and cUL Listed, GS Licensed, FCC Part 15, Industry Canada ICES-003 and RSS-210, Australia C-Tick, CE Mark, Japan Teleg

#### CN2B

<b>Operating System</b>	Windows Mobile 2003
<b>Memory Capacity</b>	64 MB/64 MB
<b>Wireless Technologies</b>	802.11 b/g and Bluetooth®
<b>Keypad Options</b>	22 key numeric
<b>Bar Code Scanning</b>	Integrated 1D Linear Imager <b>Symbologies:</b> Codabar; Codablock A and F; Code 11; Code 39; Code 93 and 93i; Code 128; EAN 128; I 2 Of 5; ISBT 128; MSI; Matrix 2 of 5; Plessey; RSS 14; RSS Limited; RSS Expanded; RSS 14 Stacked; RSS Omni-Directional; Standard 2 of 5; Telepen; UPC/EAN; UCC Composite CC-A, CC-B and CC-C; Micro PDF and PDF 417.

<b>Environmental Specifications</b>	IP54, 1.22m (4 ft.) drops to concrete using MIL standard 810F <b>Operating temp:</b> -10° to 50°C (14° to 122° F) <b>Storage temp:</b> -20° to 60°C (-4° to 140°F)
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<b>Accessories Supported</b>	Single USB client dock Single USB modem dock* Vehicle dock AC wall adapter Car charger Quad battery-pack charger Dust cover, holster, spare battery, hand strap, stylus kit, screen protector kit.
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\* This dock supports USB client and modem.

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