Intermec

Product
Profile

Cisco™
Compatible

- Based on industry standard platform Microsoft® Windows® CE .NET

- Powerful Intel® XScale™ processor

- Brilliant backlit ¼ VGA display with touch

- Supports mission critical applications that require real-time data

- Integrated aggressive linear imaging technology to read 1D barcodes quickly & reliably

- High performance 802.11b/g radio with industry security standards

- Lightweight ergonomic design for comfort and shirt pocket form factor

CN2 MOBILE COMPUTER

Continuing the industry leading success of Intermec Technologies' pen-based mobile computers, the new powerful Intermec® CN2 is small enough to fit in a shirt pocket yet provides a rugged and reliable mobile data collection terminal for your tough field computing applications. CN2 offers features and functionality commonly found in terminals much larger and more costly. With the ergonomic design, the CN2 allows for single handed operation, and the pocket sized form factor making it possible to carry almost anywhere data collection is required.
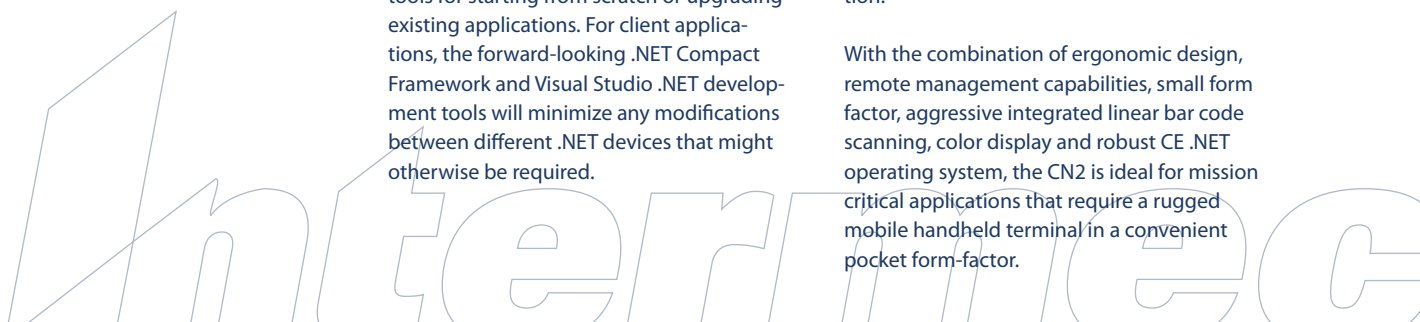
The CN2 combines the power and speed of the Intel® XScale™ processor with Microsoft's® CE .NET operating system to create a perfect balance of real-time data collection performance with full-shift power management functionality.

The CE .NET operating system minimizes memory requirements, reduces complexity and allows the application developer to completely customize the user interface that is appropriate or desirable. CE .NET also supports mainstream application development tools for starting from scratch or upgrading existing applications. For client applications, the forward-looking .NET Compact Framework and Visual Studio .NET development tools will minimize any modifications between different .NET devices that might otherwise be required.

The thin profile of the CN2 is equally suited as a management tool as well as a rugged data collection computer for the mobile worker in mission-critical data collection applications. The user accessible secure digital card slot provides more than sufficient data storage and back up capabilities of today's demanding applications. A superior color touch screen display, with an industry standard ¼ VGA (240 x 320) size provides user-friendly navigation in all lighting conditions.

The CN2's WiFi® certified 802.11 b/g radio, including a Cisco Certified Extension certification, ensures consistent performance by providing the best available wireless network throughput and reliability. Wireless security features of the CN2 are second to none with support for the highest level of protection using traditional WEP and the new Wi-Fi WPA standard. The CN2 complies fully with 802.1x standards including the Windows standard EAP-TLS and PEAP, EAP-TTLS and the compatibility with many existing networks with LEAP support. This attention to wireless data security means the user can confidently exchange data wirelessly regardless of location.

With the combination of ergonomic design, remote management capabilities, small form factor, aggressive integrated linear bar code scanning, color display and robust CE .NET operating system, the CN2 is ideal for mission critical applications that require a rugged mobile handheld terminal in a convenient pocket form-factor.

Physical Description

The CN2 is a rugged pen based handheld mobile data collection computer featuring an embedded Microsoft® Windows® CE .NET operating system and an Intel™ XScale™ PXA255 processor. Ergonomic profile and shirt pocket form factor make the CN2 the ideal terminal 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
Memory: 128 MB SDRAM and 64 MB non-volatile Flash
Memory/Storage Extensions: Secure Digital (SD) card slot, user accessible. Up to 1GB storage capacity.
Display: 240 x 320 (1/4 VGA) transflective display with 3.5" diagonal supporting 16-bit color depth (65K colors) and resistive panel touch screen. Integrated stylus storage slot.
Keypads: Elastomeric keypad with 10 key user navigation style or 18 key numeric layout.

Operating system

Microsoft® Windows® CE .NET 4.2

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

Bar Code Scanning

Integrated 1D Linear Imager: Supports all popular 1D symbologies including: Code 39, I 2 of 5, S 2 of 5, EAN/EAN128, Code 128, Codabar, MSI and UPC.
Scan Activation: Left/Right/Top scan buttons, with continuous scan mode.

Integrated radio

Data Rates: Up to 54 Mbps with 802.11g; 11 Mbps with 802.11b
Antenna: Internal
Standards Compliant: IEEE 802.11g (2.4 GHz - OFDM), IEEE 802.11b (2.4 GHz - DSSS)
Radio Power: 100 mW
Security: WEP, WPA, 802.1x (EAP-TLS, TTLS, LEAP, PEAP)
Certifications: Wi-Fi, WPA, Cisco Compatible logo indicates compatibility with a Cisco infrastructure
Batch Option: Wired (batch) option also available

Device Management

SmartSystem™ Support: 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 (80 dB) programmable "beeper" with adjustable frequency and duration for scanning feedback or audio indicator under program control

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

Environment

Operating Temperature: 0° to 50°C (32° to 122°F)
Storage Temperature: -10° to 50°C (14° to 122°F)
Humidity: 5 to 95% non-condensing
Electrostatic Discharge: 6KV contact, 12KV air
Environmental Protection: IP64 – completely sealed for dirt and dust, and protected from splashing water.
Drop Survival: 26 drops from .91m (3 ft.) to steel or concrete
Vibration and Shock Protection: Tested to MIL-PRF-28800F standards

Accessories

Communications and Charging Dock: Single bay communications cradle with USB or V90 modem dock
I/O Interface: USB version 1.1 (through dock)
Serial Adapters: Snap-on for DB9 interface to serial or printer peripherals (externally powered)
User Accessories: Dust cover, holster, spare battery, hand strap, stylus kit, screen protector kit

Regulatory Approvals

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

Cisco Compatible

WiFi® CERTIFIED

Microsoft Windows CE .net

Intermec®
expect MORE™