

## Product Profile

- Flexible mobile computing for retail operations and store management
- Convertible between pen notepad-style and key-based mobile computing
- Powered by Microsoft® Windows® Mobile™ 5.0 and Intel PXA 27x processor
- Exceptional display and user experience
- Standard wireless communication and security protocols
- Reduced Total Cost of Ownership



### C N 3 0 M O B I L E C O M P U T E R

The CN30 establishes a new standard for retail enterprise mobile computing that maximizes flexibility, optimizes ROI and results in lower investment and support costs. Based on a modular concept that allows the user to change configurations according to user preference or application requirements, the CN30 features the most forward-looking industry standards and component selection that leads to the highest possible application versatility.

The CN30 performs in all ways as a one-piece unit without compromising Intermec's standards for maximum durability through industrial-level protection against repeated drops, dirt and water and temperature extremes.

The 480 x 640 (full VGA) display offers enough resolution to provide 4 times the content of conventional "quarter VGA" displays so that web-based applications are far more portable and even "full screen" applications are possible to further increase user mobility. One-touch backlight access and user selected light control make the CN30 equally suited to all lighting environments.

Along with display versatility, the CN30's Intel® processor and Microsoft® Windows Mobile™ 5.0 for Pocket PC operating system provide the power

for an unmatched range of application possibilities from legacy terminal emulation (TE) and web browsers to full client-server and .NET developed applications.

Intermec's EV15 linear imager, which uses state-of-the-art Active Pixel Sensor (APS) technology, provides the snappiest and most dependable bar code scanning possible. The EV15 is flexible enough to flawlessly scan all common bar codes and more reliable than conventional laser scanning.

High performance and secure wireless communications are enabled through a Wi-Fi certified radio, support for 802.1x standards and compatibility with Cisco networks. Intermec's SmartSystem™ device management automates and simplifies installation, maintenance and updates.

Voice communications are integrated via its built-in speaker and microphone, or a headset, which can be connected through the jack or Bluetooth\*\* -enabled cordless headsets.

A full suite of accessories is available for docking, charging, user convenience and enhanced device protection. In most cases, accessories are universal such that they can be used by any CN30 configuration.

**Physical Description**

The CN30 is a versatile, convertible handheld mobile data collection computer featuring the Windows® Mobile™ operating system and an Intel™ XScale™ PXA272 processor.

**Physical Characteristics****With 14-key configuration:**

**Length:** 17.3cm (6.82 in)  
**Height (where gripped):** 3.4cm (1.35 in)  
**Width at grip:** 8.9cm (3.52 in)  
**Width at display:** 8.9cm (3.52 in)  
**Weight:** 474 grams (16.6 oz)  
**Weight (with handle):** 626 grams (21.9 oz)

**With 56-key configuration:**

**Length:** 24cm (9.45 in)  
**Height (where gripped):** 3.4cm (1.35 in)  
**Width at grip:** 8.4cm (3.30 in)  
**Width at display:** 8.9cm (3.52 in)  
**Weight:** 618 grams (21.6 oz)  
**Weight (with handle):** 676 grams (26.9 oz)

**Hardware**

**Standard:** 64 MB RAM and 64 MB non-volatile Flash ROM  
**Microprocessor:** PXA272 based on Intel XScale® technology running at 520 MHz  
**Memory/Storage extensions:** Secure Digital (SD) card slot, user accessible.  
**Display:** 480 x 640 color backlit transfective display with 3.7" diagonal and user selectable ambient light control. Switchable to 240 x 320 (quarter VGA). Integrated stylus with storage slot on backside of computer.  
**Keypad modules:** Keypad modules are available with options for full 56-key alphanumeric format and simplified 14-key navigation layout. Can be installed and exchanged by the user. Overlays available for Terminal Emulation on alphanumeric modules.

**Operating System**

Microsoft Windows Mobile 5.0 (Windows CE 5.0 later release)

**Software**

**Terminal Emulation:** VT/ANSI, IBM 5250/3270. Wavelink TN client, factory option, RDP/Remote Terminal Services\*  
**Browser support:** Pocket IE with customizable control  
**Software Development Kit:** Intermec Development Library (IDL). Supports device-specific features and bar code scanning

**Bar Code Scanning**

Integrated 1D linear imager. Supports all popular symbologies including: Code 39, I 2 of 5, Code 128, Code 93, Code 93i, Codabar, Codablock, MSI, Plessey, UPC, EAN/EAN128, ISBT128, Code 11, RSS, Telepen, PDF417, Micro-PDF417.

**Scan activation:** Dual keypad and side scan buttons, or trigger activation in pistol-grip handle (optional)

**Integrated Wireless LAN 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:** 32 mW  
**Security:** WEP, WPA, 802.1x (EAP-TLS, TTLS, LEAP, PEAP)  
**Certifications:** Wi-Fi, WPA  
 Cisco Compatible logo indicates compatibility with a Cisco infrastructure

**Wireless I/O Interface**

Bluetooth (Class 2) supporting cordless scanners, printers and audio headsets

**Wired I/O Interface**

USB version 1.1 ActiveSync (through dock) or serial RS-232.

**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. SNMP/MIB support for 3<sup>rd</sup> party device management.

**Speakers**

Loud programmable "beeper" with adjustable frequency and duration for scanning feedback or audio indicator under program control. Voice range speaker with volume control.

**Voice Support**

Voice-ready with VoIP integration and embedded microphone and speaker plus earphone jack. Thumb-accessible volume and "push to talk" controls

**Power**

**Battery Type:** Lithium-Ion, 3.7V, single or double cells. Chargers in 4 hours or less.  
**Battery Capacity:** 14-key module - 2400 mAh (8.8 Watt-hours). 56-key module - 4800 mAh (17.6 Watt-hours).  
**Backup Power:** 10 minutes, protecting data and computer state

**Environment**

**Operating Temperature:** -10° to 50°C (14° to 122°F)  
**Storage Temperature:** -20° to 60°C (-4° to 140°F)  
**Humidity:** 10 to 95% non-condensing  
**Electrostatic Discharge:** 8KV contact, 15KV air  
**Drop Survival:** Multiple 1.5 m (5 ft) drops.  
**Sealing:** Protected against dirt, dust and moisture (IP54)

**Accessories**

**Chargers:** Universal 4-slot charger. Charges batteries (56-key) and keypad modules (56-key and 14-key).  
**Communications and charging dock:** Single bay communications dock with spare battery/module charging slot. USB/serial interface.

**User Accessories**

Pistol grip handle  
 Hand strap  
 Belt clip

**Regulatory Approvals**

UL Listed, UL 60950 and C22.2 No. 60950, UL-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

\*\* Bluetooth is a trademark owned by Bluetooth SIG, Inc. USA

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*TPI will facilitate your entire wireless and data collection project:*

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- ✓ *Mobile computers*
- ✓ *Data collection terminals*
- ✓ *Barcode printers, labels and scanners*
- ✓ *RFID solutions*
- ✓ *Configuration and deployment*
- ✓ *Training and installation*
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- ✓ *Remote device management and support*

*TPI can share best practices in data collection from a number of industries including wholesale distribution, manufacturing, healthcare and retail/consumer goods. Our expertise allows you to shorten your learning curve and increase your return on investment.*

Product specification sheet provided by TPI

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