

## Product profile

# CN3e

Mobile Computer



- **Enlarged keys and extensive communication options fit the needs of the in-field mobile worker**
- **Shares architecture and accessories with popular CN3**
- **Rugged design and integrated antenna to withstand in-field usage**
- **Color camera option provides powerful tool for applications requiring high resolution documentation**

The Intermec CN3e, part of the CN3 mobile computer series, is a mid-sized mobile computer that features extensive communication options with an enlarged keypad to support key based data intensive in-field applications. In fact, the rugged CN3e is the first mid-sized handheld to offer a fully integrated, independent GPS option, as well as Wi-Fi®, WWAN and Bluetooth® in a single package, with an extended line of accessories to support numerous applications.

As part of the CN3 series, the CN3e shares a common architecture with the same operating systems, radio options and accessories. This provides customers a single hardware platform that supports multiple work environments and end-user requirements. This common platform approach not only minimizes disruption through faster time to deployment, but also simplifies maintenance and support for mobile deployments that extend across the enterprise, all of which reduce TCO.

The CN3e offers a fully integrated, independent GPS option, as well as Wi-Fi, Bluetooth, and WWAN voice and data services (including 3G EV-DO or EDGE™), allowing mobile workers to maximize their efficiency on the road. This is further enhanced by CN3e support for seamless voice and data communications, connections to peripheral devices, easy integration into company networks, and satellite-based navigation services that

maximize fleet efficiency. The CN3e also features large, hard key caps, a touch screen display, a 6-foot drop specification, and tolerance for a wide range of temperatures.

Because the CN3e provides access to information at the point of work, it is ideally suited for direct store delivery, pick up & delivery, in-transit visibility and in-cab mobile applications. With intelligence at their fingertips, mobile workers can tap into the information they need to work most effectively and efficiently.

The CN3e will give customers mobile RFID read/write functionality through the optional snap-on RFID handle (available 2008), enabling them to meet their current and future application requirements.

The CN3e runs Windows Mobile® supporting direct push wireless email for real-time connectivity with corporate networks. For in-premise use, the CN3e's support for Cisco® Compatible Extensions (CCX) ensures seamless interoperability in Cisco infrastructures.

The CN3e supports Intermec's SmartSystems™, a comprehensive system for complete device management that enables installation, application software maintenance or updates, security adjustments and device settings to be performed automatically and managed remotely, reducing field downtime.

**Intermec®**

## Physical Characteristics

### Dimensions:

196 x 81 x 28 mm (7.7 x 3.2 x 1.25 in)

Weight: 510 g – 567 g (18.0 oz – 20.0 oz)

## Environmental

**Operating Temp:** -20° C to 60° C (-4° F to 140° F)

**Storage Temp:** -20° C to +70° C (-4° F to +158° F)

**Relative Humidity:** 95%

**Rain & Dust Resistance:** IP64

**Drop Spec:** 1.8 m (6 ft) drop on all faces, edges

& corners per MIL-STD-810G

**Electrostatic Discharge:**

+/- 15 kVdc air discharge

+/- 8 kVdc contact discharge

## Power

**Battery Pack:** 3.7V, 4000 mAh, (14.8 Watt-hour) Li-Ion

## Operating System

Windows Mobile 5.0®

Windows Mobile 6.1

## Microprocessor

Intel® XScale PXA270, 520 MHz

## Memory and Storage

**RAM Memory:** 128MB

**Flash ROM:** 256MB

Customer-accessible miniSD slot for removable memory cards up to 2GB

## Display

3.5 in (89 mm) QVGA (240 x 320 pixel) 64K color Transflective TFT-LCD, LED backlight

## Standard Communications/Ethernet

USB 1.1 Host and Client

RS232 via vehicle dock

Ethernet

IrDA

## Software

### Device Management Options:

**SmartSystems Foundation:** Centralized support

via PC; configures, updates and maintains single devices or entire populations; real-time via wired or wireless connection.

**Third Party:** SOTI MobiControl, Wavelink Avalanche™ and GATC Skynax with access to Intermec value added capabilities.

**Intermec Developer Library (IDL):** Integrates with leading development environments; supports device-specific features, bar code scanning, printing, communications.

Supported by Intermec Connection Manager, iLaunch and Intermec Client Pack (Intermec Terminal Emulator and Intermec Browser) thin client applications.

**Development Environments:** Visual Studio 2005

and 2008, Eclipse, .NET Compact Framework

**Browser Support:** Internet Explorer Mobile 6, Intermec Browser (part of Intermec Client Pack)

### Integrated Radio Options

**Wireless WAN:** GSM/GPRS/EDGE or CDMA/1xRTT/EV-DO

**Wireless LAN (standard):**

**Standards Compliant:**

IEEE 802.11g (2.4 GHz)

IEEE 802.11b (2.4 GHz)

**Data rates:** Up to 54Mbps for 802.11g ODFM.

Up to 11Mbps for 802.11b DSSS

**Radio Power Output:** 100mW maximum

**Security:** WEP, WPA, 802.11x (EAP-TLS, TTLS, LEAP, PEAP), 802.11i

**Certifications:** Wi-Fi, WPA2, Cisco Compatible (CCX) version 4

**Wireless PAN (standard):** Integrated Bluetooth Class 2, V2.0 compatible module for wireless

### Global Positioning System

Network independent embedded receiver with integrated antenna, extended ephemeris data and WAAS support.

### Audio Support

Dual speakers

Microphone

Wireless Bluetooth headset support

Wired external speaker support via vehicle dock

VoIP

Speech recognition

### Integrated Scanner Option

Area Imager

Supports omnidirectional 1D, 2D, Composite and Postal decode capabilities plus signature capture

## Integrated Camera Option

2.0 megapixel color camera with LED flash

## Keypad Options

Numeric 10-Key or Phone Style backlight keypad

## Readicare Activation and Provisioning Services (Optional)

(available in North America only)

WWAN Carrier Provisioning

WWAN Carrier Activator

Software Configuration

Tagging

Operational Testing

Packing, Storage & Staging

For additional details, go to:

<http://www.intermec.com/>

WWANActivationandProvisioning/

## Optional Accessories

- Single Dock, USB Host/Client (no modules)
- Single Dock, Ethernet Module
- Single Dock, Modem Module
- Quad Multi-dock, Ethernet
- Quad Multi-dock, Charge Only
- Quad External Battery Charger
- Scan Handle
- Magnetic Stripe Reader, Snap-on
- Auto Adapter
- Belt Clip
- Vehicle Dock

## Regulatory Approvals/Compliance

**Safety:** cULus Listed, GS, CCC, GOST (pending), NOM, HKS1

**EMC:** FCC Part 15B – Class B, ICES-003 Class B, EN 55022 Class B, EN 55024, EN 301489-17, AS/ZNS 3548, GB9254-1998, BSMI, ICASA

**Radio:** FCC Part 15.247, Industry Canada RSS 210, EN 300328-2, Telecom. Num. 547, NCC, OFTA, MIC, IDA

**Other:** Compliant with all applicable EU Directives – EMC, Low Voltage, R&TTE, Vehicle, WEEE, RoHS, Packaging & Waste Packaging

## Hazardous Location Certified

UL Listing (United States and Canada)

Division 2, Class I, Groups A, B, C, D; T4

Division 2, Class II, Groups F; G T4

Division 2, Class III; T4

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