

## Product profile

# CN3

Mobile Computer



- Thin, rugged form factor fits the needs of the mobile worker
- Integrated GPS with internal antenna enables efficient deployment of resources, improves asset visibility
- WiFi®, Bluetooth®, and choice of WWAN radios (3G CDMA/EV-DO or GSM/EDGE) keep field workforce connected
- Color camera provides powerful tool for documenting proof-of-service or vehicle inspection
- Ultra-slim extended battery provides all-day power

Designed to meet the needs of workers performing mission-critical tasks in transportation, logistics and field service, the CN3 mobile computer delivers a powerful combination of communications technologies in a compact, rugged package.

With standard WiFi, Bluetooth and choice of integrated, network independent GPS receiver and WWAN voice and data services (including 3G EV-DO or EDGE), the CN3 enables companies to stay connected with their mobile workforce in real time, driving improved efficiencies and increased asset visibility across their operations. The CN3 provides access to information at the point of work, allowing companies to dynamically deploy the right resources to the right location, and enabling their mobile workers to tap into the information they need to work most effectively. With mobile intelligence at their fingertips, companies can increase customer responsiveness while also reducing inventory and transportation costs.

Built to survive the rigors of the road, the CN3 meets rugged, standards-based environmental specifications and provides features that meet the needs of mobile workers. The CN3's 2.0 megapixel color camera provides a vital data validation tool, enabling workers

to document proof-of-service or vehicle inspection. The CN3 has a touch screen display, 128 MB RAM and is available with an ultra-slim extended battery that delivers easy-to-carry, all-day power.

The CN3 runs Windows Mobile®, supporting direct push wireless email for real-time connectivity with corporate networks. For in-premise use, the CN3's support for Cisco® Compatible Extensions (CCX) ensures seamless interoperability in Cisco infrastructures.

The CN3 supports Intermec's SmartSystems™, a comprehensive system for complete device management that enables installation, maintenance or application software updates, security adjustments and device settings to be performed automatically and managed remotely, dramatically reducing field downtime. Deployment is made fast and easy with Intermec Readicare WWAN Activation and Provisioning Services (available in North America). Intermec Medallion Support services are available to help keep your mobile workforce in action worldwide.

Priced affordably and packed with road-ready capabilities, the CN3 offers companies the opportunity to deploy into new areas of their businesses and realize increased return on their mobility investments.



**Intermec**  
**PartnerNet**

## Physical Characteristics

**Dimensions with Standard Battery Pack:**  
6.3 x 3.2 x 1.1 in, (160 x 81 x 28 mm)  
**Dimensions with Extended Battery Pack:**  
6.3 x 3.2 x 1.3 in, (160 x 81 x 33 mm)  
**Weight:** 14.0 oz - 16.0 oz (397 - 454 g)

## Environmental

**Operating Temp:** +14°F to +122°F,  
(-10°C to +50°C)  
**Storage Temp:** -20°C to +70°C,  
(-4° F to +158° F)  
**Relative Humidity:** 95%  
**Rain & Dust Resistance:** IP54  
**Drop Spec:** 6' (1.8m) 26x all faces, sides  
& corners per MIL-STD 810G  
**Electrostatic Discharge:**  
+/- 15 kVdc air discharge  
+/- 8 kVdc contact discharge

## Power

**Standard Battery Pack:** 3.7V, 2200  
mAh, (8.1 Watt-hour) Li-Ion  
**Extended 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

USB 1.1 Host and Client  
RS232 via vehicle dock  
Ethernet via desktop single or quad dock

## 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

## 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

QWERTY or Numeric backlit keypad

## Readicare Activation and Provisioning Services

(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/](http://www.intermec.com/WWANActivationandProvisioning/)

## 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, OSHA 29 CFR 1910.178/  
ASME B56.11.6 Compliant, GS, CCC, GOST, NOM,  
HKSI, prEN ISO 13564  
**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 300 328-2, 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

**Intermec®**  
SmartSystems™



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