

Product profile

CN50

Mobile Computer



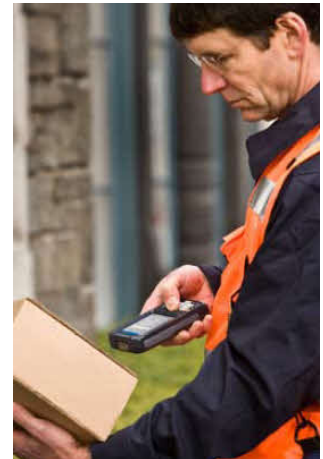
The **Intermec CN50** combines a light-weight form factor with durability engineering to give you the most advanced data collection solution with unsurpassed voice and data communication capabilities. The **Intermec CN50** is the first device in the AIDC industry to feature a 3.75G WWAN Flexible Network Radio. Not only does this radio give you the ability to leverage the fastest CDMA or UMTS cellular networks available, it is programmable for network type - giving you the freedom to change carriers as network performance, coverage and costs change in the future. With the Intermec CN50, you have a hardware solution that simplifies program development, reduces deployment costs and dramatically improves overall costs of ownership.

The Intermec CN50 is packed with features, exceeding those you'd expect from a high-end cell phone. All in a industrial strength chassis, with an omni-directional area imager to read 1 and 2 dimensional barcodes. With 256mb Flash and 128mb RAM, you don't have to worry about storing and concurrently running multiple applications. Its mini SDHC storage slot provides up to 32 gb additional storage. The CN50 uses a pair of ARM processors to manage graphic display and application processing - while reducing power requirements and increasing performance of your application.

With integrated 802.11 WLAN, Bluetooth 2.1, GPS, directional indicator, accelerometer (for changing screen orientation and movement), a 3.1 mp auto-focus digital camera with flash and rugged QWERTY or numeric keyboard, there is no challenge in either application or environment that the CN50 won't conquer.

Finally, using the 1 mega-pixel barcode imager and Intermec's eMDI document imaging utility, you can finally take pictures of packing lists, manifests and other papers, and effortlessly convert them to images that are really readable - regardless of the tilt of the CN50 when the image is captured. The eMDI software will center and flatten the image, so you're left with a full-image view of the document, without borders, distorted text or blurred symbolization.

Backed by Intermec's industry-wide reputation for durability, support and ease of development and deployment, Intermec CN50 is the leading-edge mobility device you've been looking for.



Intermec
SmartSystems™



Bluetooth



**Carolina
Barcode**

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Intermec CN50 Specifications:

Physical Characteristics:

Size:
15.4 x 7.4 x 2.8cm (6.05 x 2.93 x 1.09")
Dimensions same with std or extd battery.

Weight:
Standard Battery: 310gm (11 oz)
Extended Battery: 340 gm (12 oz)

Environmental:

Operating Temp: +14° F to +122° F
Storage Temp: -4° F to +158° F
Charging Temp: +41° F to +86° F
Relative Humidity: 95% Non-condensing
Water/Dust Seal: IP54
Drop Spec: 5 ft to concrete (all sides)
per MIL-STD 810G
Electrostatic: +/- 15kV air, +/- 8kV direct

Power:

Standard Battery: 3.7V, 1950 mAh
Extended Battery: 3.7V, 3900 mAh
Li-Ion, IEEE 1725 compliant,

Operating System: Window Mobile 6.1

Microprocessor:

Main Processor: ARM 11 @ 528 MHz
Radio Processor: ARM 9 @ 528 MHz

Memory and Storage:

FLASH: 128 MB RAM
ROM: 512 MB Flash
(approx 350 MB free for user Applications)
Expansion: microSDHC, up to 32GB

Display:

- 3.5" QVGA, 240x320 pixel LCD
- 65K (16 bit RGB) colors
- LED Backlight
- Touch Screen

Audio Support:

Support for VoIP / Speech recognition / PTT applications; Front and rear speakers; rear speaker has >70dB at 40cm (15.7 in); Front panel microphone for voice communication; Wireless Bluetooth headset support

Standard Communications

USB – High Speed 2.0, device client to host PC

Integrated Scanner:

1 megapixel area imager with laser aimer/framer, 8 bit grayscale, capable of scanning 1D and 2D barcodes Supports Enhanced Mobile Document Imaging (optional Intermec software application)

Integrated Camera:

3.1 Megapixel color camera with autofocus; Includes Flash

Keypad Options:

Numeric or QWERTY with backlit keypad

Global Positioning System:

12 channel Integrated GPS; Supports Autonomous mode with extended ephemeris data; Supports assisted operation via WAN Carrier; Network independent; <3m accuracy.

Digital Compass

Integrated, independent Digital Compass provides directional information based on earth's magnetic Field.

Accelerometer:

Embedded accelerometer enables automatic or application specific "screen rotation"

Accessories:

Desktop AC adapter/Comm adapter (with USB port; Vehicle power adapter; Vehicle holder; RAM mount; Quad battery charger; Four-bay multi-docks (charge only or charge and Ethernet)

Software:

Device Management: Contains Intermec Smart Systems Client and is compatible with most popular 3rd party device management solutions
Application Development: Support Windows APIs and Intermec Developer Libraries

Regulatory Approvals and Compliance:

Safety: cULus Listed, CDRH, D, CE NOM
EMC: Class B – FCC/ICES/CE
Radio: FCC ID, Industry Canada TAC, CE0984, A-tick (AU), C-Tick (NZ), NCFC, OFTA IDA
HAC: FCC
Others: HKSI, BSMI, ICASA POSTEL, NTC, ETA, GOST, SIRIM, ANATEL, EU Directives –WEEE, RoHS, Batteries & Accumulators, Packaging & Waste Packaging

Integrated Radios:

Wireless WAN:

(Contains the Flexible Network™ radio that can be reprogrammed to convert between UMTS and CDMA radio formats)

- 3.75G UMTS / HSPA : HSUPA
- 3.5G CDMA 1xEVDO Rev A

UMTS Freq. Supported:
800, 1700, 1900, 2100

Technology Class GSM:
3.75G HSUPA

Maximum Speeds:
Uplink - 2.0 Mbps;
Downlink - 7.2 Mbps

Technology Class CDMA:
Maximum Speeds:
Uplink - 1.8 Mbps;
Downlink - 3.1 Mbps

Wireless Lan: IEEE802.11 b/g
Data Rates: 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
Channels: 1-13 (2412-2472MHz) & 1414 (2484 Mhz)
Compliance: As per IEEE® 802.11d
Antenna: Internal
Security: WiFi Certified for WPA, WPA2 operation.
Authentication: PEAP/MS-CHAPv2, EAP-TLS
Encryption: WEP (64/128 bit), AES, TKIP

Wireless PAN:

Integrated Bluetooth™ Class II, Ver 2.1+EDR
Channels: 0 to 78 (2402-2480 MHz)
Data Rates: 1, 2, 3 Mbps
Antenna: Internal



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