Product profile

CN50

Mobile Computer



- The industry's most advanced rugged mobile computer
- High performance communication and computing in a small and lightweight ruggedized design that is optimized for highly mobile field workers
- 3.75G wireless WAN technology supports both voice and high-speed uplink and downlink data exchange to help improve worker productivity
- Enhanced Mobile Document Imaging option enables users to capture high quality full-page document images while on their route to help streamline back office operations and improve cash flow
- Integrated digital compass and GPS radio provides instantaneous and real-time directional information to improve navigation for both pedestrian and vehicle-based applications
- Built-in accelerometer senses position of the device to trigger display rotation
- Standard features include both a high performance 3 MP color camera and a 1 MP area imager for responsive 1D and 2D barcode reading, and full-page document imaging
- Bluetooth® v2.1 EDR radio provides secure wireless connectivity to headsets, mobile printers and other Bluetooth compatible devices for simple and convenient connectivity
- Wi-Fi certified 802.11 radio enables fast and secure voice communications or end-of-day synchronization with your enterprise network
- Integrated cell phone provides high quality voice communications eliminating the need to carry a separate device
- Windows Mobile 6.1 operating system promotes ease of integration and intuitive use by developers and users
- Available in QWERTY or numeric keyboards
- Medallion Complete service provides protection against unbudgeted and rising repair costs

The Intermec CN50 is the only 3.75G wireless mobile computer that combines a small and light-weight form factor with a rugged design to deliver the most advanced, high performance voice and data communication solution specifically designed for the highly mobile field worker.

With the class leading capabilities of the CN50 in their mobile workers' hands, enterprises can improve their business processes, expand their service offerings and reduce the cost and complexity of a field mobility solution.

The CN50 has the latest 3.75G wireless WAN radio to deliver the fastest data and voice communications available on UMTS wireless networks. With high speed uplink packet access (HSUPA) technology, the CN50 provides fast and reliable data connectivity for uploading large documents, real-time images or synchronization with your enterprise data base. Compared with previous 2.5G radio technology, the CN50 provides improved productivity today, and allows enterprises to realize future benefits as the network capabilities continue to improve.

The CN50 features an optional imaging application called Intermec Enhanced Mobile Document Imaging (eMDI) which gives mobile workers a fast and reliable way to convert paper documents into electronic files. eMDI helps streamline back office operations and improves cash flow by reducing time-to-payment

Intermec®

CN50 Supporting Field-based Applications



Designed specifically for the "hold and carry" activities of the postal, field service, transportation, and commercial delivery worker tasked with delivering high levels of customer service all day long, the light-weight, multi-function CN50 eliminates the need to carry and manage different devices such as cell phones, digital cameras and document scanners reducing operational costs, and improving service quality, accuracy and responsiveness.

for services rendered because delivery confirmations can be imaged in the field and sent wirelessly to the home office. Customer service and other staff gain real-time access to document images, via the enterprise systems, which can be used to answer customer queries, issue invoices, and update records.

The CN50 is built on a unique multi-processor architecture with dedicated ARM and DSP processors to deliver robust application processing with nearly instantaneous response, all at the lowest levels of power consumption. The standard battery is suitable for uninterrupted full shift use in most applications. For extreme-duty applications, the extended-life battery provides ample power to drive consistent, full-featured functionality without compromise to the compact and lightweight design.

The integrated digital compass provides a real-time indication of directional heading to enhance the functionality of the GPS radio. By improving the accuracy of the turn-by-turn directions, mobile workers are able to deliver better customer service and improve on-time delivery.

A built-in accelerometer allows the CN50 to rotate the display based on the orientation of the device, improving worker efficiency and the user experience during signature capture or similar operations. A bright 3.5" QVGA display provides exceptional viewing in full sunlight.

The CN50 features a Bluetooth® v2.1 EDR radio which provides secure wireless connectivity to headsets, Intermec mobile printers and other Bluetooth compatible devices for simple and convenient connectivity. The Wi-Fi certified 802.11 radio enables fast and secure voice communications or end-of-day synchronization with your enterprise network.

With industry-leading cell phone technology at its core, the small and light-weight CN50 bridges the gap between a mobile computer and a traditional cell phone to provide high-quality voice communications without the expense of deploying and maintaining a separate device.

The no compromise design includes both a high performance 3 MP color camera with auto-focus and flash, and a dedicated 1 MP area imager for responsive 1D and 2D barcode reading, and full-page document imaging.

The industry standard platform in the CN50 includes Microsoft® Windows Mobile 6.1 which enables the device to integrate quickly and easily with existing systems and provides familiar operation for end users. Windows Mobile 6.1 provides integrated support for Systems Center Mobile Device Manager (SCMDM), allowing enterprise IT Managers to securely provision, configure, and deploy application software, device settings, and policies for populations of CN50 devices from the convenience of their management consoles.

Developers can access a comprehensive software toolkit through the Intermec Developer Library to simplify application development and shorten time to deployment.

Intermec SmartSystems™ software simplifies remote device management, by automatic staging, applying periodic system and software updates, as well as configuration changes, to keep on-going system maintenance costs low, and your CN50s performing in top condition.

The Intermec CN50 mobile computer is designed specifically for on-the-go field mobility customer service operations that need to be completed faster using only a single device that combines robust application processing, automated barcode data and document capture, digital camera functionality, and 3G wireless WAN voice and data communication in a rugged compact package necessary to achieve better customer service and bottom line results, now and in the future.

Physical Characteristics
Dimensions with either standard or extended battery:
15.4 x 7.4 x 2.8cm (6.05 x 2.93 x 1.09")
Weight:
With standard battery: 310gm (11 oz)
With extended battery: 340 gm (12 oz)

Environmental
Operating Temp: -10° C to +50° C (14° F to +122° F)
Storage Temp: -20° C to +70° C (-4° F to +158° F)
Charging Temp: +5° C to +30° C
Relative Humidity: Non-condensing, 95%
Rain & Dust Resistance: IP54
Drop Spec: 1.5m (5 ft) per MIL-STD 810G
Electrostatic Discharge: +/- 15kV air discharge, +/- 8kV direct discharge

Power
Standard Battery Pack: 3.7V, 1950 mAh;
Extended Battery Pack: 3.7V, 3900 mAh;
Batteries are IEEE 1725 compliant, Li-Ion, removable, rechargeable.

Operating system
Window Mobile 6.1
Getting started information located at www.windowsmobile.com/getstarted

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

Memory and Storage
Memory: 128 MB RAM
ROM: 512 MB Flash (approx 350 MB free for user applications)

Display
- 3.5", 240 x 320 pixel (QVGA) trans-reflective TFT-LCD display
- 65,536 (16bit RGB) colors
- LED backlight
- Touch screen

Standard Communications
USB – High Speed 2.0

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

Integrated Radios
Wireless WAN:
- 3.75G UMTS / HSPA: HSUPA

UMTS Frequencies Supported - MHz: 800, 1700, 1900, 2100
Technology Class GSM: 3.75G HSUPA
Max Speeds: Uplink - 2.0 Mbps; Downlink - 7.2 Mbps

Wireless LAN: IEEE®802.11 b/g
Data rates: 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
Operating channels: 1 to 13 (2412-2472 MHz) and 14 (2484 MHz)
Regulatory compliance: As per IEEE® 802.11d
Antenna: Internal
Security: WiFi Certified for WPA/WPA2 operation.
Authentication: PEAP/MS-CHAPv2, EAP-TLS
Encryption: WEP (64 or 128 bit), AES, TKIP

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

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

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

Acclerometer
Embedded accelerometer enables automatic or application specific "screen rotation"

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

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

Intermec Global Services Support :
www.intermec.com --> Support --> Knowledge Central
Telephone support available in the USA & Canada (1-800-755-5505). Outside of this area, contact your local representative.
Medallion Maintenance contracts available at many locations world wide. Current listing of service locations can be found at:
www.intermec.com --> Support --> Returns and Repairs --> Repair Locations

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)

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), NCC, OFTA, IDA
HAC: FCC
Others: HKSI, BSMI, ICASA, POSTEL, NTC, ETA, GOST, SIRIM, ANATEL, EU Directives –WEEE, RoHS, Batteries & Accumulators, Packaging & Waste Packaging

Intermec SmartSystems™

North America Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

Europe/Middle East & Africa Headquarters Office
Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

North Latin America Headquarters Office
Mexico
Phone: +52 55 52-41-48-00
Fax: +52 55 52-11-81-21

South Latin America Headquarters Office
Brazil
Phone: +55 11 5502.6770
Fax: +55 11 5502.6780

Asia Pacific Headquarters Office
Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet
www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Sales
Toll Free NA: (800) 934-3163
Toll in NA: (425) 348-2726
Freephone ROW:
00 800 4488 8844
Toll ROW: +44 134 435 0296

OEM Sales
Phone: (425) 348-2762

Media Sales
Phone: (513) 874-5882

Customer Service and Support
Toll Free NA: (800) 755-5505
Toll in NA: (425) 356-1799

Designed for Windows Mobile®
Wi Fi CERTIFIED
Bluetooth®
RoHS compliant

Copyright © 2009 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 611952 05/09

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

Intermec®

Solutions for Automatic Identification, Barcodes and Mobility

More than 3000 customers in 15 countries • More than 12,000 products in stock

www.logiscenter.com
902 050 030

www.logiscenter.it
02 479 216 97

www.logiscenter.de
info@logiscenter.de

www.logiscenter.pt
308 800 842

About LOGISCENTER

Grupo Logiscenter is the leading provider in Europe of automatic identification and data capture equipments. Our products include barcode printing and reading devices, mobile computing devices, wireless access points, identification cards, and consumables.

Reasons to work with us

Our customers come first. Our objective is not only selling our products but also holding a long-lasting relationship with our customers, based on the befenits and advantages we create for you and your company.

The best brands. We offer products from the best manufacturers worldwide.

Expert technical support team. Our support staff are experts in the products we sell. But not just the products, they can tell you the best solution for your particular problem or need.

Largest stock. We have a permament stock of more than 12,000 products.

Same-day shipping. For all orders placed and confirmed before 16:00 on working days.

Best prices. With Logiscenter, you can be sure that you are paying a fair price for your products we will not overcharge you.

Easy returns. Damaged or defective products can be returned easily, for an exchange or reimbursement.

Our Brands

MOTOROLA
ZEBRA TECHNOLOGIES
Intermec
Honeywell
DATALOGIC
datamax·o'neil
Metrologic
LXE
EPSON
elo
star
unitech
PRINTRONIX
symbol

Solutions for: Industry • Consumer • Mobility Transportation and Logistics • Retail • Health



Label printers



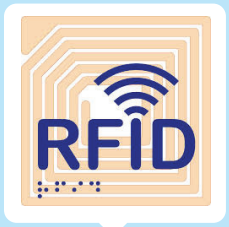
Barcode readers



Data terminals & PDA



PVC card printers



RFID



Consumables
(labels, ribbons, PVC cards)

All Brands Technical Service

GRUPO LOGISCENTER, S.L. - The Barcode Solutions Center
Av. Puente Cultural 10-A • 28702 San Sebastián de los Reyes - MADRID (Spain)
CIF ES B85538601 • info@logiscenter.com • www.logiscenter.com