CN51

Mobile Computer

MULTI OS

O/S VERSATILITY
Supports Microsoft® Windows Embedded Handheld 6.5 and Android™ 4.1 Operating Systems for flexible application support and migration*

DISPLAY
Large 4" brilliant WVGA multi-touch display allows for more graphical user interface, display-centric applications

RUGGED
Withstands multiple 1.5m (5ft) drops to concrete across the operating temperature range and an IP64 seal rating against rain and dust

SCANNING
Features best-in-class motion tolerance, and support for omni-directional 1D & 2D barcode scanning

FLEXIBLE NETWORK
Features WAN radio options with voice and data support including UMTS and Flexible Network UMTS/CDMA, PTT, as well as 802.11 a/b/g/n, Bluetooth, and GPS with GLONASS support

BATTERY
Industry-leading performance that lasts a full shift and beyond, enhanced by smart battery technology

PROCESSOR
Equipped with a power-efficient 1.5GHz dual core multi-engine Texas Instruments OMAP4 processor architecture, with 1GB RAM and 16GB Flash memory

Intermec®
by Honeywell

When business depends on mobile workers being nimble, empowered and well informed, having flexible, multi-function technology tools in their hands is always a smart idea.

The Intermec CN51 mobile computer offers unparalleled versatility allowing the choice of Windows® or Android™ operating systems on a single device coupled with a power-packed 1.5GHz dual core, multi-engine processor design with 1GB RAM, and 16GB Flash for the highest degree of future-proofing capability.

Designed for a superior user experience, the CN51's large, multi-touch, outdoor-readable screen provides ample room for application viewing with less scrolling and greater productivity, as well as more space for capturing more legible signatures. It's also equipped with state-of-the-art smart battery technology, delivering life that lasts through a full shift and beyond without interruption to replace or recharge to get the job done.

The CN51's high performance imagers provide optimal barcode scanning capabilities even in low light scanning environments with unmatched motion tolerance and snappy scanning to eliminate costly delays and user frustration during scan-intensive applications.

The 5 megapixel color camera combined with Intermec's cutting-edge image processing technologies deliver advanced capability beyond reading barcodes. Mobile Document

Imaging (MDI) and Remote Deposit Capture (RDC) provide a fast and reliable way to convert full-size paper documents or check payments into electronic files while out on the road, transmitting directly from the point of capture to the back-office workflow.

Enterprises with large, geographically-dispersed workforces need adaptable network coverage. The CN51 answers the call with its voice-capable Flexible Network™ Radio (in North America), allowing the same device to operate on either CDMA or UMTS wireless networks. Depending on which network provides the best geographic coverage or the lowest cost, the CN51 can be switched on-the-fly, should coverage needs change.

Industry leading Software and Services solutions like Intermec's CloneNGo offer breakthrough device provisioning that makes it easy to replicate a master configuration across an unlimited number of devices to get up and running quickly. Intermec SmartSystems™ Management Console also monitors key sub-systems including scanning, communications, and device health, to prevent issues before they impact operations.

Intermec's Medallion Advanced and Support Services help protect your investment by reducing unexpected operational impacts of network communication issues or minimizing device downtime due to accidental breakage.

Physical Characteristics
Dimensions with battery: L X W X D:
164 x 74 x 28 mm (base of unit) 32 mm (top of unit)
(6.45 x 2.93 x 1.09-1.26 in)
Weight with battery: 350 g (12.3 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 +35° C (+41° F to +95° F)
Relative Humidity: Non-condensing, 95%
Rain & Dust Resistance: IP64
Tumble Spec: 1,000 - 0.5 m (1.6 ft) tumbles at room temperature
Drop Spec: 26 drops from 1.5m (5 ft) to concrete across the operating temperature range per MIL-STD 810G
Electrostatic Discharge: +/- 15kV air discharge, +/- 8kV direct discharge

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

Operating System
Microsoft Windows Embedded Handheld v6.5 or Android v4.1*

Microprocessor
Texas Instruments 1.5 GHz OMAP 4470 dual core, multi-engine processor architecture

Memory and Storage
Memory: 1 GB RAM
ROM: 16 GB Flash
Customer-accessible micro-SD slot for removable memory cards up to 32 GB

Display
• 10.16 cm (4.0 in), 480 x 800 pixel (WVGA) TFT-LCD display
• LCD supports 24 bpp color depth
• LED backlight
• Ambient light sensor
• Resistive multi-touch touch panel

Standard Communications
USB – High Speed 2.0 Host, USB – High Speed 2.0 Client

Software Applications & Components
Device Management:
Intermec SmartSystems™ provides a single, integrated environment for hands-free deployment and management of devices on-site or remote. Also compatible with leading third-party data and device management products.

ScanNGo for easy barcode based enterprise-wide device provisioning. It can be used to download device management software from Intermec ISVs. CloneNGo, a peer-to-peer device management enables simple device cloning, eliminating the need to use a management console for device provisioning.
Application Development: Intermec Developer Library www.intermec.com/dev
Imaging Solutions: VIN scanning, Reusable Container Serial Number Scanning, Remote Deposit Capture, License Plate Verification, Mobile Document Imaging, Shipment Address Verification, etc.
Device Health Monitoring: On-board monitoring of key sub-systems including scanning, communications and battery life; Remote access requires SmartSystem Management option
Web Browsing: Intermec HTML5 Browser

*For the Android OS version, limited configurations available, please consult your sales representative

Data Management
Skynax® Mobile Communications

Integrated Radios
Wireless WAN Options
   UMTS / HSPA+ (Voice & Data); Worldwide except Americas, Australia and New Zealand
   UMTS/HSPA Frequencies: 900, 2100 MHz
   Max Speeds (Network Dependent): Uplink – 5.76 Mbps Downlink – 14.4 Mbps
   GSM/GPRS/EDGE Frequencies: 900, 1800 MHz
   Max Speeds (Network Dependent): Uplink – 384 Kbps Downlink – 384 Kbps

   Flexible Network™ (Voice & Data); Americas, Australia and New Zealand (Can be switched between the UMTS and CDMA radio networks)
   UMTS/HSPA+
   UMTS Frequencies: 800, 850, 900, 1900, 2100 MHz
   GSM/GPRS/EDGE Frequencies: 850, 900, 1800, 1900 MHz
   Max Speeds (Network Dependent): Uplink – 5.76 Mbps Downlink – 14.4 Mbps
   CDMA/EV-DO Rev A
   Dual Band CDMA2000 Bands: BC0 & BC1 (800/1900 MHz)
   Max Speeds (Network Dependent): Uplink – 1.8 Mbps Downlink – 3.1 Mbps

Wireless LAN: IEEE®802.11 a/b/g/n on devices without Wireless WAN radio; IEEE®802.11 b/g/n on cellular devices
   Security: WiFi Certified for WPA and WPA2, WAPI Certified
   Authentication: 802.1x
   Cisco Compatibility: CCXv4
   Encryption: WEP (64 or 128 bit), AES, TKIP

Wireless PAN: Integrated Bluetooth® Power Class 1.5 Version 4 BLE

Global Positioning System (with WAN Radio option)
12 channel Integrated GPS; Network independent autonomous mode; supports assisted operation via XTRA®, CP E911
• GPS dedicated AT commands
• Protocol: NMEA-0183 V2.3
• Tracking Sensitivity: better than -158 dBm
• GLONASS support

Sensor Technology
Accelerometer: Embedded accelerometer enables automatic or application-specific features such as screen rotation, drop detection or system suspend.

Audio Support
Supports VoIP / Speech recognition / Push-to-talk applications; Speaker and front panel microphone for handset audio communication and audio recording; Wireless Bluetooth headset support.

Integrated Scanner Options
EA30 high performance motion-tolerant 2D Imager; (up to 500 in/s) white LED illumination; red laser aimer and framer optimized for all lighting conditions. Capable of scanning all common 1D and 2D barcodes; 1D as small as 4 mils; 2D as small as 6.6 mils. Refer to User's Manual for depth of field performance.

EA31 high performance motion-tolerant 2D Imager; (up to 400 in/s) white LED illumination. Capable of scanning all common 1D and 2D bar codes; 1D as small as 4 mils; 2D as small as 6.6 mils. Refer to User's Manual for depth of field performance.

Integrated Camera Option
5 Megapixel auto focus color camera with LED flash

Keypad Options
(27 Key) Numeric or (43 Key) QWERTY with backlit keypad

Intermec Global Services Support
www.intermec.com --> Support --> Knowledge Central

Accessories
Supports all CN50 charging and docking accessories as well as FlexDock modular docking system, vehicle dock, vehicle holder, snap on adaptors, removable scan handle, and magnetic stripe reader.

Regulatory Compliance and Approvals:
1015CP01, 1015CP01S, 1015CP01U
Safety: cULus Listed, Demko, BSMI
EMC: Class B- FCC/ICES/EN, EAC, CCC
Radio: FCC w/HAC, Industry Canada,CE,NCC,OFCA, IDA, SDPPI, NTC, ETA, SRRC, SIRIM, COFETEL, TELEC, ANATEL, TNZ, RCM, CONATEL, MOC (66 countries total).
Environmental: EU Directives - WEEE; RoHs; Batteries & Accumulators; Packaging & Waste Packaging

CAUTION
CLASS 2 LASER LIGHT WHEN OPEN DO NOT STARE INTO BEAM.
IEC 60825-1 : 2007 EN 60825-1 : 2008-05
LASER LIGHT - DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT 1mW 630 - 680nm

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