Terminal Portátil CN51

Especificaciones Técnicas

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

Designed for a superior user experience, the CN51 computer'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 signatures. It's also equipped with state-of-the-art smart battery technology, delivering enough power to last a full shift and reducing the cost for replacement batteries.

The CN51 computer is equipped with a high-performance imager that provides quick and accurate barcode scanning capabilities even in low-light scanning environments, with unmatched motion tolerance to eliminate costly delays and user frustration during scan-intensive applications.

The 5-megapixel color camera combined with Honeywell'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 computer answers the call with its voicecapable 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 computer can be switched on the fly, should coverage needs change.

Industry-leading software and service solutions like 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. Honeywell SmartSystems™ Foundation also monitors key subsystems, including scanning, communications and device health, to prevent issues before they impact operations.

Honeywell's support services help protect your investment by reducing unexpected operational impacts of network communication issues and minimizing device downtime due to accidental breakage.



With its multi-touch, outdoor-readable screen, long battery life and highly accurate barcode scanning capabilities, the CN51 Mobile Computer offers unparalleled versatility and performance for mobile workers.

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FEATURES & BENEFITS



Supports Microsoft® Windows Embedded Handheld 6.5 and Android 6.0 Marshmallow operating systems for flexible application support and migration.



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



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



Features best-in-class motion tolerance and support for omnidirectional 1D and 2D barcode scanning.



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.

PHYSICAL CHARACTERISTICS

Dimensions with Battery (L x W x D): 164 mm x 74 mm x 28 mm (base of unit) or 32 mm (top of unit) (6.45 in x 2.93 in x 1.09 in or 1.26 in)

Weight with Battery: 350 g (12.3 oz)

ENVIRONMENTAL

Operating Temperature: -10°C to +50°C (+14°F to +122°F)

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

Charging Temperature: +5°C to +35°C (+41°F to +95°F)

Relative Humidity: Non-condensing, 95%

Rain & Dust Resistance: IP64

Tumble Specification: 1,000 - 0.5 m (1.6 ft) tumbles at room temperature

Drop Specification: 26 drops from 1.5 m (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, 3920mAh;

SOFTWARE APPLICATIONS & COMPONENTS

Device Management:

- **SmartSystems Foundation** 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 Honeywell ISVs.
- **CloneNGo**, a peer-to-peer device management software that enables simple device cloning, eliminating the need to use a management console for device provisioning.

Application Development: Honeywell Developer Library

Imaging Solutions: VIN scanning, Reusable Container Serial Number Scanning, Remote Deposit Capture, License Plate Verification, Mobile Document Imaging, Shipment Address Verification, etc.

Dual-Band CDMA2000 Bands: BC0 and 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: Wi-Fi 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

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

batteries are IEEE 1725 compliant, Li-Ion, removable, rechargeable

OPERATING SYSTEM
Microsoft Windows Embedded Handheld 6.5 or Android 6.0 Marshmallow with GMS

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

MEMORY & STORAGE
Memory: 1 GB RAM
ROM: 16 GB Flash customer-accessible microSD slot for removable memory cards up to 32 GB

DISPLAY
- 101.6 mm (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

Device Health Monitoring: On-board monitoring of key subsystems including scanning, communications and battery life; remote access requires SmartSystems management option
Web Browsing: Honeywell HTML5 Browser

DATA MANAGEMENT
Skynax® Mobile Communications

INTEGRATED RADIOS
Wireless WAN Options:
UMTS/HSPA+ (Voice and 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 and 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

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 barcodes; 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

HONEYWELL GLOBAL SERVICES SUPPORT
Contact for Support:
www.hsmcontactsupport.com
Public Knowledgebase Articles:
www.hsmknowledgebase.com
Telephone support available in North America (+1 800 782 4263). Outside of this area, contact your local representative.

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, DEX adapter and magnetic stripe reader.

REGULATORY APPROVALS & COMPLIANCE
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