The Honeywell CN75 and CN75e mobile computers offer the versatility customers demand, providing the choice of a Windows® or Android™ operating system on a single device to meet changing enterprise business demands. The no-compromise design is powered by a 1.5 GHz dual-core, multi-engine processor with 2 GB RAM and 16 GB Flash, offering the highest degree of future-proofing capability.

Specifically designed for mobile field service workers who need power and performance in a compact form factor, the Honeywell CN75 mobile computer offers the perfect balance of ruggedness, duty cycle and ergonomics while providing unparalleled versatility. The CN75e device offers the same power-packed computing but with a larger keypad design, making it ideal for delivery environments where workers may be wearing gloves or have more data input-intensive applications.

The CN75 and CN75e mobile computers deliver unparalleled reliability with smart battery technology that provides enough power to last a full work shift, eliminating dead batteries and downtime. The CN75 and CN75e mobile computers are also equipped with a high-performance imager that provides fast and accurate barcode scanning capabilities even in low-light scanning environments, with unmatched motion tolerance to eliminate costly delays in scan-intensive applications.

The no-compromise design extends to radio connectivity, as well. The wide-area solutions feature a Flexible Network voice and data WWAN radio that operates on networks worldwide, offering switch-on-the-fly network selection capability and eliminating the need for multiple pools of devices dedicated to one network.

**FEATURES & BENEFITS**

- **Supports Windows Embedded Handheld 6.5 and Android 6.0 Marshmallow operating systems for flexible application support and migration.**
- **Flexible radio technology provides optimal network coverage and a superior solution for implementing least-cost routing strategies.**
- **Withstands 2.4 m (8 ft) drops to concrete, 2,000 (1 m) tumbles and has an IP67 seal rating against rain and dust.**
- **Advanced barcode imaging technology with motion tolerance for snappy scanning and white illumination with laser aiming for high read rates.**
- **Full compatibility with printers, application software, communications and a complete set of peripherals and accessories, enabling a comprehensive enterprise business solution.**

The CN75 and CN75e mobile computers’ no-compromise design provides the power and performance required by today’s mobile field service and transportation workers.
**Technical Specifications**

**PHYSICAL CHARACTERISTICS**

**CN75 Dimensions with Battery:**
- L x W x D: 16.9 cm x 8.0 cm x 3.4 cm
  (6.65 in x 3.15 in x 1.34 in)
- **Weight:** 450 g (15.9 oz) with battery

**CN75e Dimensions with Battery:**
- L x W x D: 19.5 cm x 8.0 cm x 3.4 cm
  (7.66 in x 3.15 in x 1.34 in)
- **Weight:** 491 g (17.3 oz) with battery

**ENVIRONMENTAL**

**Operating Temperature:** -20°C to +60°C
(-4°F to +140°F)*

**Storage Temperature:** -30°C to +70°C
(-22°F to +158°F)

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

**Relative Humidity:** Non-condensing, 95%

**Rain and Dust Resistance:** IP67

**Drop Spec:** 2.4 m (8 ft) to concrete per MIL-STD 810G,
1.8 m (6 ft) to concrete across operating temperature
range per MIL-STD 810G, 2,000 (1 m) tumbles per IEC
60068-2-32 specification

**Electrostatic Discharge:** +/-15 kV air discharge;
+/-8 kV direct discharge

**POWER**

**Battery Pack:** 3.7 V, 4000 mAh; IEEE 1725
compliant, Li-Ion, removable, rechargeable

**OPERATING SYSTEM**

Microsoft® Windows Embedded Handheld 6.5 or
Android 6.0 Marshmallow with GMS

**MULTI-ENGINE PROCESSOR ARCHITECTURE**

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

**MEMORY**

**RAM:** 2 GB

**ROM:** 16 GB Flash

**Storage Expansion:** Customer-accessible micro-SD
slot for removable memory cards up to 32 GB

**DISPLAY**

8.9 cm (3.5 in) Transmissive VGA
480 x 640 pixels
65,536 (16-bit RGB) colors

High-durability touch screen
Hardened Corning® Gorilla® Glass display for
superior durability
LED backlight
Ambient light sensor

**STANDARD COMMUNICATIONS**

USB – Full Speed 2.0 Host, USB – Full Speed 2.0 Client

**SOFTWARE APPLICATIONS AND 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,
elminating the need to use a management console
for device provisioning.

**Application Development:** Honeywell Developer Library

**Device Health Monitoring:** On-board monitoring of
key subsystems including scanning, communications
and battery life

**Optional Honeywell Enterprise Client Pack:** Terminal
Emulation and HTML 5 Browser

**Optional Launcher:** Application locking

**DATA MANAGEMENT**

Skynax® Mobile Communications

**INTEGRATED RADIOS**

**Wireless WAN:** Worldwide Voice and Data
(can switch between 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

**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
**SENSOR TECHNOLOGY**

Accelerometer: Embedded accelerometer enables automatic or application-specific features such as screen rotation or system suspend.

**AUDIO SUPPORT**

Supports VoIP/speech recognition/push-to-talk applications; front and rear speakers; rear speaker >80 dB at 40 cm (15.7 in); front receiver and front panel microphone for handset audio communication and audio recording; wireless Bluetooth headset support; wired headset support via snap-on adapter.

**INTEGRATED SCANNER**

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.

**INTEGRATED CAMERA**

5-megapixel auto-focus color camera with LED flash.

**KEYPAD OPTIONS**

All keypad options feature backlit hard keycaps with laser-etched legends.

- **CN75:**
  - NUMERIC KEYPAD
  - QWERTY KEYPAD

- **CN75e:**
  - LARGE NUMERIC KEYPAD
  - QWERTY KEYPAD

**HONEYWELL GLOBAL SERVICES SUPPORT**

Contact for Support: [www.hsmcontactsupport.com](http://www.hsmcontactsupport.com)

Public Knowledgebase Articles: [www.hsmknowledgebase.com](http://www.hsmknowledgebase.com)

Telephone support available in North America (800-782-4263). Outside of this area, contact your local representative.

**ACCESSORIES**

FlexDock modular docking system, vehicle dock, vehicle holder, snap-on adaptors, removable scan handle, magnetic stripe reader, 6822 full-page printer and PW50 workboard printer.

**REGULATORY APPROVALS AND COMPLIANCE**

CN75LAN, CN75WAN

- **Safety:** cULus Listed, BSMI
- **EMC:** Class B – FCC/ICES/EN, GOST-R
- **Radio:** FCC, Industry Canada, A-tick (AU), NCC, IDA, ICASA, POSTEL, NTC, ETA, SIRIM, ANATEL
- **Environmental:** EU Directives-WEEE, RoHS, Batteries and Accumulators, Packaging and Waste Packaging

**NON-INCENDIVE VERSION**

CN75 and CN75e with NI certification comply with the following: Suitable for use in Division 2 locations

- **Safety:** cULus Listing – ISA/ANSI 12.12.01
- **Gases:** Class I – Groups A, B, C, D
- **Dusts:** Class II – Groups F, G
- **Fibers and Flyings:** Class III
- **Max. Ambient:** 50°C (122°F) T6

For more information

[www.honeywellaidc.com](http://www.honeywellaidc.com)

**For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).**

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