

CN70 / CN70e

Ultra-rugged Mobile Computers

Specifically designed for mobile field service workers who need power and performance in a compact form factor, the CN70 offers the perfect balance of ruggedness, duty cycle and ergonomics. The CN70e offers the same powerpacked computing but comes with a larger keypad design making it ideal for delivery environments where workers may be wearing gloves or have more data input intensive applications. Extend the use of the CN70 and CN70e into hazardous locations with the nonincendive certified (Div. 2) CN70 and CN70e.

The CN70 and CN70e delivers unparalleled reliability. A high performance imager provides optimal barcode scanning capabilities even in low light scanning environments and unmatched motion tolerance and laser aiming for the snappiest speeds. These features eliminate costly delays in scan intensive applications.

The no-compromise design of the CN70 and CN70e include an all-light visible VGA display, high durability Gorilla® Glass touch panel and indestructible keypad technology to ensure that they stay in workers' hands instead of the repair depot.

The 70 Series no-compromise approach includes an industrial grade superscalar multi-engine processor and state-of-the-art battery health diagnostics that offer faster performance with lower power consumption.

The CN70 and CN70e extend their no-compromise design to radio connectivity as well. Their wide-area solutions feature a Flexible Network™ data only radio that operates on any type of



Product Caption, Helvetica Neue LT Std, 66 Medium Italic, 10/13 pt, 100% Dark Gray. Caption limited to 3 lines, approximately 200 characters.

network; offering switch-on-the-fly network selection capability and eliminating the need for multiple pools of devices dedicated to one network. The 70 Series also offer UMTS/HSUPA and CDMA/EV-DO Rev A voice, as well as data, WWAN radio options. Whatever your wide-area communication environment, 70 Series offers an option to meet your needs.

The CN70 and CN70e are just two models out of four available in the 70 Series family This provides the ability to tailor a solution specific to each application area within your environment, supporting the preferences and needs of your employees without the added expense of supporting multiple device platforms.

FEATURES & BENEFITS

Flexible radio technology provides optimal network coverage and a superior solution for implementing least cost routing strategies

Advanced barcode imaging technology with motion tolerance for snappy scanning and white illumination with laser aiming for high read rates

On-board diagnostics provides device health visibility and reduces downtime

Full compatibility with printers, application software, communications, and a complete set of peripherals and accessories enabling a comprehensive enterprise business solution

Non-Incendive option for hazardous locations

CN70 / CN70e Technical Specifications

PHYSICAL CHARACTERISTICS

CN70 Dimensions with battery:

L x W x D: 16.9 x 8.0 x 3.4 cm (6.65 x 3.15 x 1.34 in)

Weight: 450 g (15.9 oz) with battery

CN70e Dimensions with battery:

L x W x D: 19.5 x 8.0 x 3.4 cm (7.66 x 3.15 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 & Dust Resistance: IP67

Drop Specification: 2.4 m (8ft.) to concrete per MIL-STD 810G, 1.8m (6 ft) to concrete across operating temperature range per MIL-STD 810G

2,000 (1m) tumbles per IEC 60068-2-32 specification

Electrostatic Discharge: +/- 15 kV air discharge;

+/- 8 kV direct discharge

POWER

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

OPERATING SYSTEM

Microsoft Windows Embedded Handheld 6.5

MULTI-ENGINE PROCESSOR ARCHITECTURE

Texas Instruments 1GHz OMAP multi-engine processor architecture

MEMORY AND STORAGE

RAM: 512 MB

ROM: 1 GB Flash

Customer-accessible micro-SD slot for removable memory cards up to 32 GB

DISPLAY

8.9 cm (3.5 in) Transflective VGA

480 x 640 pixels

65,536 (16 bit RGB) Colors

High-Durability Touch Screen

LED Backlight

Ambient Light Sensor

STANDARD COMMUNICATIONS

USB – Full Speed 2.0 Host*

USB – Full Speed 2.0 Client*

IrDA

SOFTWARE APPS & COMPONENTS

Device Management: Intermec SmartSystems™ support includes ScanNGo provisioning for use alone or with device management software from Intermec ISVs

Device Health Monitoring: Remote access requires SmartSystem Management option

Application Development: Intermec Developer Library www.intermec.com/dev

Imaging Solutions: Intermec Shipment Address Verification (SAV) and Mobile Document Imaging (MDI) are compatible, licensed and sold separately

Web Browsing: Intermec HTML5 Browser

DATA MANAGEMENT

Skynax® Mobile Communications

INTEGRATED RADIOS

Wireless WAN Options

Data & Voice Options

UMTS / HSPA

UMTS Frequencies:

800, 850, 900, 1900, 2100 MHz

GSM/GPRS Frequencies:

850, 900, 1800, 1900 MHz

Max Speeds (Network Dependent):

Uplink – 5.76 Mbps Downlink – 7.2 Mbps

CDMA/EVDO Rev. A

CDMA Frequencies: 800, 1900 MHz

Max Speeds (Network Dependent):

Uplink – 1.8 Mbps Downlink – 3.1 Mbps

Data Only Option

Flexible Network™

UMTS/HSPA+ Frequencies:

800, 850, 900, 1700, 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 Frequencies:

800, 1900 MHz

Max Speeds (Network Dependent):

Uplink – 1.8 Mbps Downlink 3.1 Mbps

Wireless LAN: IEEE®802.11 a/b/g/n Dual Band WLAN

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® Class II, Version 2.1+EDR

Operating Channels: 0 to 78 (2402-2480 MHz)

Data Rates: 1, 2, 3 Mbps

GLOBAL POSITIONING SYSTEM

12 channel Integrated GPS; Network independent autonomous mode; supports assisted operation via WAN

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 OPTIONS

EA30 high performance motion tolerant 2D Imager; white LED illumination; red laser aimer optimized for all lighting conditions; 35 degree downward scan angle; capable of scanning all common 1D and 2D barcodes; 1D as small as 5 mil; PDF as small as 6.6 mil; Data Matrix as small as 7.5 mil; and standard UPC codes from distances up to 33 cm (13 in)

INTEGRATED RFID READER OPTION

The CN70 and CN70e are available with integrated UHF RFID reading capabilities. For more information, see the [70 Series RFID product page](#).

INTEGRATED CAMERA OPTION

5 Megapixel auto focus color camera with LED flash

KEYPAD OPTIONS

All keypad options feature hard keycaps with laser-etched legends

CN70:

Numeric keypad with backlit shifted plane legends



QWERTY keypad



CN70e:

Large numeric keypad with backlit shifted plane legends



QWERTY keypad



Calculator with backlit shifted plane legends



HONEYWELL GLOBAL SERVICES SUPPORT:

www.hsmcontactsupport.com – Contact for Support

www.hsmknowledgebase.com – Public Knowledge Articles

Telephone support available in North America (+1 800 782 4263). Outside of this area, contact your local representative.

CN70 / CN70e Technical Specifications

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

1000CP01, 1000CP01U, 1000CP01U-H1, 1000CP01C-H1, 1000CP02, 1000CP02U, 1000CP02U-H1, 1000CP02C-H1

Safety: cULus Listed, DEMKO, BSMI

EMC: Class B – FCC/ICES/EN, GOST-R

Radio: FCC w/HAC, Industry Canada, **CE 0981** , A-tick (AU), C-tick (NZ), NCC, OFTA, IDA, ICASA, POSTEL, NTC, ETA, SIRIM, ANATEL, 61 countries in total

Environmental: EU Directives-WEEE; RoHS; Batteries & Accumulators; Packaging & Waste Packaging

NON-INCENDIVE VERSION

70 Series family 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 T6



For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies.

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