ZONE 2

CN70x ATEX
Ultra-rugged Mobile Computers

CN70x ATEX
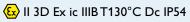
- Explosive atmosphere ATEX certified (ATEX Zone 2/22)

- Windows® Embedded Handheld 6.5 Professional Operating System

- 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

- Brilliant display with extended life touch panel

- Pre-Loaded with Intermec HTML5 Browser

Ex - Certification
Ex II 3G Ex ic IIC T4 Gc
Ex II 3D Ex ic IIIB T130°C Dc IP54

WE DIDN'T COMPROMISE;
NEITHER SHOULD YOU

Selecting the optimal rugged mobile business solution that satisfies the needs and preferences of IT, Operations and the device user has often required trade-offs: size vs. ruggedness; weight vs. battery life; support and maintenance of multiple devices and platforms vs. a streamlined, single solution to perform different jobs and functions. The no-compromise design of the **CN70A ATEX** and **CN70E ATEX** achieves true functional agility with the perfect balance of ruggedness, duty cycle and ergonomics.

The **CN70** and **CN70e**'s design is optimized for field mobility environments. Specifically the **CN70** is optimal for mobile field service who need power and performance in a compact form factor. 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 explosive atmosphere certified (ATEX Zone 2/22) **CN70A ATEX** and **CN70E ATEX.**

EVERY SECOND COUNTS

Today's mobile worker is in a race against time and needs to get the job done right – right now. Spotty wireless coverage, weather extremes, damaged barcodes, dimly lit trucks, and heavy device wear and tear are the reality of their day.

The **CN70A ATEX** and **CN70E ATEX** meet these challenges head on with next generation features that save valuable seconds and deliver unparalleled reliability. Intermec's high performance imager provides optimal barcode scanning capabilities even in low light scanning environments and unmatched motion tolerance as well as laser aiming for the snappiest speeds. These features eliminate costly delays in scan intensive applications.

THE CN70A ATEX AND CN70E ATEX 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 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.

SCRATCHED AND DAMAGED DISPLAYS, missing or unreadable keys not only slow your workers down, they reflect poorly on your company's image. The no-compromise design of the **CN70A ATEX** and **CN70E ATEX** 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.

BASED ON A SHARED PLATFORM

The **CN70A ATEX** and **CN70E ATEX** are just two models out of five available in the ATEX certified 70 Series family. Each model offers a distinct, purpose-built form factor and includes choices of radios, keypads, imagers, software and services. 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.

With a single platform approach, the 70 Series family is unique in its ability to deliver the benefits that come with one computer architecture, common system software, one set of peripherals and one docking system to reduce infrastructure complexity and cost.

It brings simplicity to the frequent tasks of software updates, training new employees, managing spares pools and charging devices.

EVERY 70 SERIES MOBILE COMPUTER COMES PRE-LOADED with Intermec's ScanNGo client to provide a premium device provisioning experience to simplify and expedite device staging operations. The standalone ScanNGo client enables **CN70A ATEX** and **CN70E ATEX** users to provision, configure and automatically download application software even over WWAN in a matter of seconds rather than minutes by simply reading pre-configured barcodes.

KEYPAD OPTIONS

CN70A ATEX:

Numeric keypad with backlit shifted plane legends

Qwerty keypad with backlit shifted plane legends

CN70E ATEX:

Large numeric keypad with backlit shifted plane legends

Qwerty numeric keypad with backlit shifted plane legends

Calculator keypad with backlit shifted plane legends

PHYSICAL CHARACTERISTICS

CN70A ATEX 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 ATEX 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 +50° C (-4° F to +122° 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 (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 (1m) 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
Processor	Texas Instruments 1GHz OMAP multi-engine processor architecture
Memory and Storage	RAM: 512 MB ROM: 1 GB Flash Customer-accessible microSD slot for removable memory cards up to 32 GB
Display	• 3.5 in Transmissive 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

*Product Division
Mobile Computing*

INTEGRATED RADIOS

UMTS / HSUPA	
• 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
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 CN70A ATEX and CN70E ATEX are available with integrated UHF RFID reading capabilities
Integrated Camera Option	5 Megapixel auto focus color camera with LED flash
Keypad Options	All keypad options feature hard keycaps with laser-etched legends

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