

CK7xA ATEX



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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WE DIDN'T COMPROMISE; NEITHER SHOULD YOU

Balancing cost control with customer satisfaction requires true supply chain agility. Delivering on that vision requires your staff to be equally agile, with the ability to react to every situation quickly, confidently and accurately.

However, finding the optimal rugged mobile business solution to achieve supply chain agility can often present another balancing act: satisfying the needs and preferences of operations management, users and IT, without trade-offs and sacrifices.



CK7xA ATEX

ULTRA-RUGGED MOBILE COMPUTERS

CK70A ATEX

- Explosive atmosphere ATEX certified (Zone 2 / 22)
- 12% smaller and lighter than leading devices in the ultra-rugged class
- Flexible radio technology provides optimal network coverage and a superior solution for implementing least cost routing strategies
- Industry's fastest imaging engine delivering superior motion tolerance, laser aiming system, and optimized scanning angle for maximum productivity
- Part of Intermec's comprehensive enterprise business solution
- Pre-loaded with Intermec HTML5 Browser
- On-board diagnostics and INcontrol Managed Services provide device health visibility
- Best-in-class battery life for longer run time

ACTIVE PREVENTION - EVERY SECOND COUNTS

EVERY SECOND COUNTS

When workload demands shift unexpectedly, the CK70A ATEX and CK71A ATEX give you the flexibility to redeploy staff without consideration to the tools needed to get the job done. As a result, workers can quickly and confidently transition to tasks that require near or far scanning, speech, voice, and image capture, without wasting time finding and reorienting themselves on unfamiliar devices.

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 CK70A ATEX and CK71A ATEX includes 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.



CERTIFICATION

ATEX



Ⓔ II 3G Ex ic IIC T4 Gc

Ⓔ II 3D Ex ic IIIB T130°C Dc IP54

CK71A ATEX

- Explosive atmosphere ATEX certified [Zone 2 / 22]
- 31% smaller and lighter than leading devices in the ultra rugged class
- Dual band 802.11n radio for pervasive wireless coverage
- Industry's fastest and farthest imaging engines delivering superior motion tolerance and barcode read range
- Exceptional peripheral support and quick change snap-on accessories
- On-board diagnostics and INcontrol Managed Services provide device health visibility
- Advanced power and battery management technologies extend device run time and reduce expense of replacement batteries

CK7xA ATEX

CK70A ATEX

Large alpha keypad with numeric legends



Alphanumeric keypad



CK71A ATEX

Numeric keypad with large function keys



Alphanumeric keypad with function keys



BASIC SPECIFICATIONS

Battery Pack	3.7 V ; 5200 mAh ; Li-Ion, removable, rechargeable, IEEE 1725 compliant
Operating System	Microsoft® Windows® Embedded Handheld 6.5.3
Processor	Texas Instruments (OMAP3) 1 GHz 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	<ul style="list-style-type: none"> • 3.5 in Transmissive VGA • 480 x 640 pixels • 65,536 Colors (16 bit RGB) • High-Durability Touch Screen • LED Backlight • Ambient Light Sensor
Standard Communications	USB – Full Speed 2.0 Host®, USB – Full Speed 2.0 Client®, IrDA

AN OUNCE OF PREVENTION

BASED ON A SHARED PLATFORM

The CK70A ATEX and CK71A 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.

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 CK70A ATEX and CK71A 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.

PHYSICAL CHARACTERISTICS	
CK70A ATEX Dimensions with battery	L x W x D: 23.7 x 8.0 x 4.3cm (9.33 x 3.16 x 1.69 in) Weight: 562 g (19 oz) with battery Width (grip area): 6.42 cm (2.53 in)
CK71A ATEX Dimensions with battery	L x W x D: 23.7 x 8.0 x 5.0 cm (9.33 x 3.16 x 1.98 in) Weight: 584 g (19.75 oz) with battery Width (grip area): 6.42 cm (2.53 in)
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 tumbles at 1m per IEC 60068-2-32 specification
Electrostatic Discharge	+/- 15 kV air discharge; +/- 8 kV direct discharge

CK7xA ATEX

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

WWAN 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 / EV-DO Rev. A	
CDMA Frequencies	800, 1900 MHz
Max Speeds (Network dependent):	Uplink – 1.8 Mbps, Downlink – 3.1 Mbps

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

* CK70A ATEX ONLY

WLAN OPTIONS

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	BT Class II, Version 2.1+EDR
Operating channels	0 to 78 (2402-2480 MHz)
Data Rates	1, 2, 3 Mbps
GPS	GPS 12 channel integrated GPS; Network independent autonomous mode; supports assisted operation via WAN
Antenna	Internal

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 BT 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 CK70A ATEX is 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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