Product profile

CK3X

Mobile Computer



RUGGED
Withstands multiple 1.5m (5ft) drops to concrete across all operating temperature ranges and an IP54 seal rating against rain and dust

SCANNING
Choice of integrated high motion tolerance 2D area imager or 2D near/far area imager supports high-performance, omni-directional scanning

RADIO
Supports industry standard 802.11 a/b/g/n and Bluetooth radio for adaptable communications

BATTERY
Industry-leading battery performance will last a full shift and beyond

PROCESSOR
Equipped with a power-efficient 1GHz multi-engine Texas Instruments processor, 256MB RAM and 1GB Flash

VOICE
Designed to support Vocollect Voice to combine voice-directed workflow with traditional barcode data collection

RFID
Optional field-installable RFID reader to adapt with your changing data collection needs

With the pace and competitiveness of business today, it's no secret that customers expect accurate orders to be delivered on-time and damage-free, every time. Putting cost-effective processes and technologies in place to improve workforce and workflow performance is vital to the success of your operations.

The CK3X fits your timetable for achieving such results with a pedigree of proven success, easy deployment and fast return on investment. Extending the popular ergonomic design of the CK3 model, the CK3X takes the best and makes it even better, giving you the power to put accuracy and productivity in the hands of your workers.

The CK3X comes with a choice of integrated area imagers for standard range or near/far range scanning. These imagers provide unsurpassed scanning performance on 1D and 2D bar codes and are particularly well-suited for reading poor quality and damaged codes. Support for omni-directional scanning and very high motion tolerance allows workers to capture an accurate scan and quickly move to the next task.

Featuring a highly adaptable design, the CK3X is supported by an 802.11 a/b/g/n and Bluetooth® radio, as well as an optional RFID reader accessory. When outfitted with Vocollect Voice you can combine the proven results associated with voice-directed workflows or combine it with traditional barcode data collection all in the same device.

Avoid downtime with a device that is truly rugged. The CK3X can withstand multiple 1.5 meter (5 ft) drops to concrete (across all operating temperatures) and delivers industry-leading battery life performance that will last through a full shift and beyond – no more interruption to replace or recharge batteries. Best of all, this comes without the bulk and size of traditional rugged devices in the same class.

Transitioning from other computers to the CK3X is easy with device configuration tools like CloneNGo our breakthrough device provisioning that makes it easy to "clone" device settings from a single master unit to an unlimited number of devices. The latest Microsoft® Windows Embedded Handheld operating system and broad compliance for the latest emerging industry standards such as HTML5 means the CK3X is compatible with the widest range of software applications -from warehouse management systems to other mission-critical tools developed by our PartnerNet Independent Service Provider (ISV) community.

Legacy applications are backwards compatible, and the optional Intermec Client Pack includes Terminal Emulation and a lock-down browser which simplify migrations. Plus the CK3X is compatible with most existing CK3 accessories so you can upgrade to the latest technology, without additional investment in chargers, docking stations, scan handles and more.

Take your business performance to the next level with CK3X. As part of Intermec's proven enterprise business solutions, the CK3X extends your data collection options while reducing IT burden – giving you a true competitive edge.

Intermec®

Physical & Environmental Characteristics
L x W x D: 21.6 x 8.3 x 3.6 cm (8.53 x 3.29 x 1.42 in)
Weight: 499 g (17.6 oz) with 5.1Ah battery
Width: Grip area: 6.1 cm (2.40 in)
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: IP54, category 1
Drop Specification: 1.5 m (5 ft.) to concrete per MILSTD 810G across operating temperatures
Tumble Specification: 1,000 (1.0m) tumbles per IEC 60068-2-32 specification
Electrostatic Discharge: +/- 15 kV air discharge, +/- 8 kV direct discharge

System Architecture & Performance Characteristics
Texas Instruments 1GHz multi-engine processor architecture

Operating System
Microsoft® Windows Embedded Handheld built on Windows 6.5.3 technology with Intermec HTML5 Browser (available via download):
www.intermec.com/products
Getting started information:
www.windowsmobile.com/getstarted

Memory & Storage
Memory: 256MB RAM
ROM: 1GB Flash
Customer-accessible micro-SD slot for removable memory cards up to 32GB

Display
- 8.9 cm (3.5 in) Transmissive QVGA
- 240 x 320 pixels
- 65,536 (16 bit RGB) Colors
- High-Durability Touch Screen
- LED Backlight
- Ambient Light Sensor

Keypad Options
Both keypad options feature backlit hard keycaps with laser-etched legends.

Numeric with function keys



Alphanumeric





Integrated Scanner Options
EA30 high performance motion-tolerant 2D Imager; (up to 500in/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 mil; 2D as small as 6.6 mils.
Refer to User's Manual for depth of field performance.

EX25 near/far 2D Imager: Capable of scanning 1D and 2D barcodes from 15.2 cm to 15.2 m (6 in to 50 ft)
Refer to User's Manual for depth of field performance.

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

Standard Communications
USB – Full Speed 2.0 OTG©, USB – Full Speed 2.0 Client©

Audio Support
Supports VoIP / Vocollect Voice / Push-to-Talk applications; 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.

Power
Battery Pack: Removable, rechargeable
Included – User removable, rechargeable Lithium-Ion; 3.7V, 5100 mAh (18.5 Watt-hours)
Optional – Removable, rechargeable Lithium-Ion; 3.7V, 5200 mAh (18.5 Watt-hours) Smart Pack
Optional – Removable, rechargeable Lithium-Ion; 3.7V, 2000 mAh (7.4 Watt-hours)

Wireless Communications
Wireless LAN: IEEE®802.11 a/b/g/n Dual Band WLAN
Security: WiFi Certified for WPA and WPA2
Authentication: 802.1x
Cisco Compatibility: CCXv4
Encryption: WEP (64 or 128 bit), AES, TKIP

Bluetooth: Integrated Bluetooth® Class II, Version 2.1+EDR
Operating Channels: 0 to 78 (2402-2480 MHz)
Data Rates: 1, 2, 3 Mbps
Antenna: Internal

Software Applications & Components
Device Management: Intermec SmartSystems™ 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 Intermec ISVs.
CloneNGo, a peer-to-peer device management enables simple device cloning, eliminating the need to use a management console for device provisioning.
Device Health Monitoring: On-board monitoring of key sub-systems including scanning, communications and battery life; Remote access requires SmartSystem Management option

Application
Development: Intermec Developer Library
Development Environments: Microsoft Visual Studio; .NET compact framework; JVM
In-Premise Clients: Optional factory pre-loaded Intermec Client Pack (Intermec Terminal Emulator + Intermec Browser)
Web Browsing: Intermec Browser, Intermec HTML5 Browser (Includes Microsoft Internet Explorer)
Device Lockdown: Intermec Launcher

Intermec Global Services Support
www.intermec.com --> Support --> Knowledge Central

Accessories
Supports most CK3 charging and docking accessories as well as FlexDock modular docking system, vehicle dock and holder, snap on adaptors and removable scan handle.

RFID Support
Ready to accommodate field-attachable RFID reader handle via wired (USB) or Bluetooth®, allowing you to upgrade to RFID in the future without replacing the whole device.

Regulatory Approvals & Compliance
1007CP02 (CK3X) and 1007CP02L (China)
Safety: cULus Listed, DEMKO, BSMI,
EMC: Class B – FCC/ICES/EN, GOST-R, CE, CCC
Radio: FCC, Industry Canada, C-tick (AU/NZ), NCC, OFCA, IDA, ICASA, POSTEL, NTC, KC (Korea), ETA, ANATEL, 61 countries in total
Environmental: EU Directives-WEEE; RoHS; Batteries & Accumulators; Packaging & Waste Packaging

Non-Incendive Version
1007CP02-NI (CK3X)
CK3X with NI certification comply with the following:
Suitable for use in Division 2 locations
Safety: cULus Listing - ANSI/ISA 12.12.01
Gases: Class I, Div. II - Groups A, B, C, D
Dusts: Class II, Div. II - Groups F, G
Fibers and flyings: Class III, Div. II

North America
Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348 2600
Fax: (425) 355 9551

North Latin America
Headquarters Office
Mexico
Phone: (+52) 55 52 41 48 00
Fax: (+52) 55 52 11 81 21

South Latin America
Headquarters Office
Brazil
Phone: (+55) 11 3711 6776
Fax: (+55) 11 5502 6780

Europe, Middle East & Africa
Headquarters Office
Reading, United Kingdom
Phone: (+44) 118 923 0800
Fax: (+44) 118 923 0801

Asia Pacific
Headquarters Office
Singapore
Phone: (+65) 6303 2100
Fax: (+65) 6303 2199

Media Sales
EMEA: (+31) 24 372 3167
USA: (513) 874 5882
http://intermec.custhelp.com

Sales
Toll Free NA: (800) 934 3163
Toll in NA: (425) 348 2726
Freephone ROW:
00800 4488 8844

OEM Sales
Phone: (425) 348 2762

Customer Service and Support
Toll Free NA: (800) 755 5505
Toll in NA: (425) 356 1799
EMEA: intermec.custhelp.com

Internet
www.intermec.com

Worldwide Locations
www.intermec.com/locations

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