

CK3X

Mobile Computer

Extending the popular ergonomic design of the CK3 model, the CK3X mobile computer takes the best and makes it even better, giving you the power to put accuracy and productivity in the hands of your workers with a mobile solution that offers easy deployment and fast return on investment.

The CK3X computer 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 barcodes and are particularly well-suited for reading poor-quality or damaged codes. Support for omnidirectional scanning and very high motion tolerance enables workers to capture an accurate scan and quickly move to the next task.

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

Avoid downtime with a device that is truly rugged. The CK3X computer can withstand multiple 1.5 meter (5 ft) drops to concrete (across all operating temperatures) and delivers industry-leading battery life 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 computer 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. With support for the Microsoft® Windows® Embedded Handheld 6.5 operating system, the CK3X computer is compatible with a wide range of software applications.



With high-performance, omnidirectional scanning and industry-leading battery life, the rugged CK3X mobile computer streamlines workflows and enhances the performance of your workforce.

FEATURES & BENEFITS



Choice of integrated high-motion tolerance 2D area imager or 2D near/far area imager supports high-performance, omnidirectional scanning.



Supports industry-standard 802.11 a/b/g/n and Bluetooth wireless technology radio for adaptable communications.



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



Designed to support Vocollect voice to combine voice-directed workflows with traditional barcode data collection.



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

CK3X Technical Specifications

PHYSICAL AND ENVIRONMENTAL

L × W × D: 21.6 cm × 8.3 cm × 3.6 cm (8.53 in × 3.29 in × 1.42 in)
Weight: 499 g (17.6 oz) with 5.1 Ah 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 and Dust Resistance: IP54, category 1
Drop Specification: 1.5 m (5 ft) to concrete per MILSTD 810G across operating temperatures
Tumble Specification: 1,000 (1.0 m) tumbles per IEC 60068-2-32 specification
Electrostatic Discharge: ±15 kV air discharge, ±8 kV direct discharge

SYSTEM ARCHITECTURE

Texas Instruments 1 GHz multi-engine processor architecture

OPERATING SYSTEM

Microsoft Windows Embedded Handheld built on Windows 6.5.3 technology with Honeywell HTML5 Browser. Available via download at the Honeywell Developer Library.

MEMORY AND STORAGE

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

DISPLAY

- 8.9 cm (3.5 in) Transmissive QVGA
- 240 pixels 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 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 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: Included – Removable, rechargeable Lithium-Ion: 3.7 V, 5100 mAh (18.5 Watt-hours)
Optional – Removable, rechargeable Lithium-Ion: 3.7 V, 5200 mAh (18.5 Watt-hours)
Smart Pack Optional – Removable, rechargeable Lithium-Ion: 3.7 V, 2000 mAh (7.4 Watt-hours)

WIRELESS COMMUNICATIONS

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

WLAN Security: Wi-Fi 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 AND COMPONENTS

Device Management: Honeywell SmartSystems™ Foundation provides a single, integrated environment for hands-free deployment and management of devices on-site or remote.

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

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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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, eliminating the need to use a management console for device provisioning.

Device Health Monitoring: On-board monitoring of key subsystems including scanning, communications and battery life; remote access requires SmartSystems management option.

APPLICATION

Development: Honeywell Developer Library

Development Environments: Microsoft Visual Studio®, .NET compact framework; JVM

In-Premise Clients: Optional factory pre-loaded Enterprise Client Pack (Honeywell Terminal Emulator + Honeywell Browser)

Web Browsing: Honeywell Browser, Honeywell HTML5 Browser (includes Windows Internet Explorer)

Device Lockdown: Honeywell Launcher

GLOBAL SERVICES SUPPORT

Contact for Support:

www.hsmcontactsupport.com

Public Knowledgebase Articles:

www.hsmknowledgebase.com

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

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, enabling you to upgrade to RFID in the future without replacing the whole device.

REGULATORY APPROVALS AND 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 and Accumulators;

Packaging and Waste Packaging

NON-INCENDIVE VERSION

1007CP02-NI (CK3X) CK3X with NI certification complies 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

For more information

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