

CK3R

Mobile Computer

Optimize your operations into an efficient, automated and high-performing work environment with the CK3R, the mobile computer you can count on to keep your workers running productively at full speed to deliver enhanced workflow performance.

Thanks to a state-of-the-art, power-efficient design, the CK3R mobile computer delivers full-shift battery life – even when running scan- and network-intensive applications. With a purpose-built, slim and lightweight design, the CK3R mobile computer is comfortable and easy to use. And with CloneNGo – breakthrough Honeywell device provisioning technology – you can greatly simplify and expedite configuration and deployment of your CK3R mobile computers from a single master unit without requiring sophisticated IT support.

Scanning operations are quick and accurate, with integrated, high-performance area imaging technology pioneered by Honeywell. Support for omnidirectional scanning and high motion tolerance means your 1D and 2D barcodes can scan correctly the first time, at most angles, even if the code itself is not perfect.

The CK3R mobile computer is also designed to stand up to the rigors of everyday use with a rugged, laser-etched keypad, a 1.2 meter (4 foot) drop rating to concrete (across all operating temperatures) and an IP54 seal rating against rain, moisture and dust.

Running Microsoft® Windows® Embedded Handheld 6.5, the CK3R mobile computer supports a wide range of enterprise software applications. And the optional Honeywell Enterprise Client Pack, which includes full Terminal Emulation and a lock-down web browser supporting emerging industry standards like HTML5, provides a consistent user interface



Easy to use and implement, the CK3R mobile computer helps capture all of the benefits of automation with a power-efficient design and quick and accurate scanning.

and common menu structure to ensure that workflow is directed and web access is limited.

Achieving workflow automation has never been easier. The CK3R mobile computer can be combined with Honeywell printers, scanners and service for a proven enterprise business solution to automate your data collection tasks without introducing IT complexity. Put the CK3R mobile computer to work and unlock the full potential of your operations.

FEATURES & BENEFITS



Integrated, high motion tolerance 2D area imager supports high-performance, omnidirectional scanning of 1D and 2D barcodes that's quick and accurate.



Withstands multiple 1.2 m (4 ft) drops to concrete across all operating temperatures; IP54 seal rating against rain, moisture and dust; rugged, laser-etched keypad.



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



Industry-leading battery performance will last a full shift and beyond – no more interruptions to replace or recharge batteries.



Equipped with a power-efficient 1 GHz multi-engine Texas Instruments processor, 256 MB RAM and 512 MB Flash.

CK3R Technical Specifications

PHYSICAL CHARACTERISTICS

L x W x D: 21.6 cm x 8.3 cm x 2.8 cm
(8.53 in x 3.29 in x 1.12 in)

Weight: 401 g (14.1 oz) with 2000 mAh battery

Width: Grip Area: 6.1 cm (2.4 in)

ENVIRONMENTAL CHARACTERISTICS

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: Multiple 1.5 m (5 ft) drops to concrete at ambient; multiple 1.2 m (4 ft) drops to concrete across the operating temperature range per MIL-STD 810G

Tumble Specification: 1,000 (0.5 m) tumbles per IEC 60068-2-32 specification

Electrostatic Discharge: +/-15 kV air discharge, +/-8 kV direct discharge

SYSTEM ARCHITECTURE AND PERFORMANCE CHARACTERISTICS

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: 512 MB

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

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; backlit automatically controlled via ambient light sensor.



Numeric with function keys



Alphanumeric

INTEGRATED SCANNER OPTIONS

EA31 high-performance motion-tolerant 2D imager; (up to 400 in/s) white LED illumination. Capable of scanning all common 1D and 2D barcodes; 1D as small as 4 mils; 2D as small as 6.6 mils. Refer to User's Manual for depth-of-field performance.

STANDARD COMMUNICATIONS

USB – Full Speed 2.0 OTG, USB
– Full Speed 2.0 Client

POWER

Battery Pack: Removable, rechargeable

Included: User removable, rechargeable Lithium-Ion; 3.7V, 2000 mAh (7.4 watt-hours)

Optional: 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

WIRELESS COMMUNICATIONS

Wireless LAN: IEEE 802.11 b/g/n 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 COMPONENT

Device Management: Honeywell SmartSystems™ Foundation 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 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

HONEYWELL 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 mobile computer charging and docking accessories as well as FlexDock modular docking system, vehicle dock and holder, snap-on adaptors and removable scan handle.

REGULATORY APPROVALS AND COMPLIANCE

1007CP01 (CK3R)

Safety: cULus Listed, DEMKO, BSMI

EMC: Class B – FCC/ICES/EN, EAC, CE, CCC, RCM (AU/NZ)

Radio: FCC, Industry Canada, NCC, OFCA, IDA, ICASA, POSTEL, NTC, KC (Korea), ETA, ANATEL, 61 countries in total

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

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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