

# CK61ex

Mobile Computer



- **Integrated EX imaging technology for highly versatile, near-far scanning**
- **Image capture capability eliminates need for digital camera**
- **Ready for increased use of 2D and stacked symbologies**
- **Rugged design offers years of reliable service**
- **Choice of Windows Mobile® 5.0 or Windows® CE 5.0 operating system**
- **Cisco Compatible 802.11a/b/g radio with choices of industry standard wireless security protocols**

The Windows Mobile-based CK61ex handheld computer, with integrated EX imaging technology, turns warehouse data capture obstacles into opportunities while also providing built-in readiness for tomorrow's new warehouse management requirements.

By integrating Intermec's breakthrough auto-focus area imaging technology, the rugged CK61ex enables users to quickly scan 1D and 2D barcodes, in any orientation, from six inches to 50 feet away, opening up new efficiencies and application opportunities across the warehouse. In addition, users can capture images, signatures and documents and successfully cope with damaged, poorly printed or partially obscured codes in variable lighting conditions.

The CK61ex comes RFID-ready for easy connection to the Intermec IP30 RFID Reader Handle (March 2008), enabling the unprecedented combination of RFID and near-far area imaging for advanced data collection.

This combination of features and capabilities cannot be matched by any long range product currently on the market.

The CK61ex is available with either Microsoft Windows® CE 5.0 (April 2008) or Windows Mobile® 5.0 operating system. Microsoft Windows CE provides significant flexibility to those customers who wish to control the user experience; Windows Mobile offers a standard platform which can easily be applied across the enterprise.

Onboard non-volatile flash memory preserves applications and databases even if the batteries become depleted. The 192 MB capacity enables storage of large enterprise databases and applications.

The CK61ex case is sealed against water and dust to IP64 standards. With a magnesium top cover and tough rubber bumpers at each corner, it can withstand repeated 6' drops. It is also available in a non-incendive option (UL Division 2, Class I/II/III) to meet the needs of hazardous environments.

High-speed Ethernet, USB Host and Client, and RS232 serial connections are standard on every unit, as is Bluetooth® communication.

## Physical Description

The Windows Mobile-based CK61ex handheld computer, with integrated EX imaging technology, provides everything required by the most demanding environments including extended battery capacity, rugged design, wired and wireless communications.

## Operating System

Microsoft Windows CE 5.0 (April 2008) or Microsoft Windows Mobile 5.0 Software for Pocket PC

## Radio

Bluetooth Class 1  
Wireless LAN 802.11a, 802.11b, and 802.11g

## Physical Characteristics

**Length:** 222 mm (8.75 in.)  
**Width:** 90 mm (3.55 in.)  
**Height:** 55 mm (2.08 in.)  
**Weight:** 704 grams (24.8 oz.)

## Hardware

**Microprocessor:** Intel Xscale PXA27x, 520 MHz Memory; RAM: 128 MB  
**Persistent Memory:** 64 MB Flash ROM and 128 MB persistent store, total 192MB  
**Memory/Storage Extension:** SDIO card slot, user accessible

## Bar Code Scanning

**Scan Engine:** 2D near-far, auto-focusing area imager.

Supports all popular symbologies including Australian Post, Aztec, BPO, Codabar, Codablock A and F, Code 11, Code 39, Code 93/93i, Code 128, ISBT 128, EAN 128, DataMatrix, Dutch Post, Canada Post, EAN.UCC composite, Interleaved 2 of 5, Japan Post, Matrix 2 of 5, MaxiCode, MSI Code, PDF417/MicroPDF417/MacroPDF417 (unbuffered mode), Planet, Plessey, Postnet, QR Code, RSS, Industrial and Standard 2 of 5, Telepen, TLC39, UPC/EAN/ISBN/ISSN/ISMN/GTIN processing.

## Power

**Battery Type/Supply:** Removable, rechargeable Lithium-Ion; 7.2V, 2400 mAh (17.3 Watt-hours)  
**Battery Life:** Application dependent  
**Recharging Time:** 4 hours or less

## Environment

**Operating Temp:** -4°F to +122°F (-20°C to +50°C)  
**Storage Temp:** -4°F to +158°F (-20°C to +70°C)  
**Environmental Protection:** IP64 compliant.  
**Drop Survival:** Multiple 1.8 m (6 ft.) drops to steel or concrete  
**Humidity:** 5 to 95%, non-condensing  
**Electrostatic Discharge:** ±8kV Contact Discharge; ±15kV Air Discharge

## Display

Transflective TFT with LED backlight; 3.8" (97 mm) QVGA Color with touch panel

## Keypad

32-key with large numeric keys or 58-key with full alphanumeric keys; both with LED backlighting

## Software

**Development Environments:** Embedded Visual C++ 4.0, .NET Compact Framework (VB .NET and C#)  
**Intermec Developers Library:** Integrates with leading development environments; supports device-specific features and bar code scanning  
**Browser support:** IE6 compatible (Windows CE); Internet Explorer Mobile (Windows Mobile)

## Standard Communications

USB Host and Client  
Ethernet 10/100 Base-T  
Bluetooth™ Class 1, V2.0 + EDR  
RS232 Serial, IrDA 1.1

## Wireless LAN Standards Compliant

IEEE 802.11a (5 GHz - OFDM)  
IEEE 802.11g (2.4 GHz - OFDM)  
IEEE 802.11b (2.4 GHz - DSSS)

## Data Rates

Up to 54 Mbps for 802.11a; Up to 54 Mbps for 802.11g;  
Up to 11 Mbps for 802.11b

## Power Output

50 mW

## Security

WEP, WPA, 802.1x (EAP-TLS, TTLS, LEAP, PEAP), 802.11i

**Certifications:** Wi-Fi, WPA2, CCX v3 (Cisco Compatible Extensions v3)

## Device Management

**SmartSystems™ Support:** Centralized remote support capability; Configures, updates and maintains single devices or entire populations; Real-time or batch, wired or wireless.

**Wavelink Avalanche™ Support:** Intermec value added utilities and SmartSystems integration.

## Accessories

### Communications and charging dock:

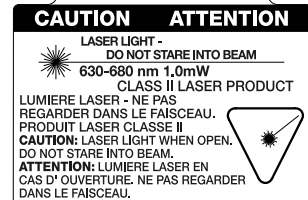
Single bay communications dock with USB/Ethernet or USB/modem capabilities and auxiliary battery charger; four-position Ethernet and charge-only multidocks

**Serial adapters:** Snap-on adapters for USB or RS232 peripherals; snap-on adapter for DEX/UCS connectivity.

## Regulatory Approvals

UL and cUL Listed, UL 60950-1 or UL 1604 and CSA 22.2 No. 157, FCC Part 15, GS Licensed EN 60950-1, CE mark; CDRH 21 CFR 1040 Class II Laser

▲ **AVOID EXPOSURE** Laser light is emitted from this aperture  
**EVITER TOUTE EXPOSITION** Lumière laser émise par cette ouverture  
Conforms with U.S.A. 21 CFR Subchapter J Part 1040.



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