

# KDC450 Barcode Data Collector

## A New Wave in Auto-ID

The KDC450 enables diverse mobile Auto-Identification applications for collecting barcode and RFID data with various Smartphones and Tablets.

KOAMTAC's innovative Bluetooth technology and user friendly design allows users to upgrade the smartphone periodically while keeping the KDC450 main system.

A Built-in 1200mAh rechargeable battery can be used as an external power source for smartphones.

An optional secondary Bluetooth® port provides a seamless connectivity to other Bluetooth® peripherals, such as mobile printers.

KDC450 comes with FREE KTSync® keyboard wedging software and FREE SDK for Android, BlackBerry, iOS (iPhone, iPod touch, iPad) and Windows.



BlackBerry



Windows



Mac



Bluetooth®

RFID

### ADVANCED FEATURES

- Custom cases for smartphones/tablets
- Supports 1D and 2D barcodes
- Supports virtually any ISO/IEC 14443 A or B compliant smartcard, ISO/IEC 15693 compliant RFID label, or NFC device (ISO/IEC 18092 / 21481) running in card emulation mode
- Class2 Bluetooth® with HID/SPP/MFi(iPhone model only) Profiles
- Rechargeable Li-Ion Battery
- KTSync® with Keyboard Wedging features.

### Solutions

- Retail
- Transportation
- Field Services
- Warehouse
- Healthcare
- Hospitality
- Event Technology



# KDC450 Specifications

## Hardware Specifications

### Physical Characteristics

- Size : 65 mm x 121 mm x 20 mm (2.50" x 4.70" x 0.80")
- Weight : 3.5 oz (99 grams)

### Electrical Characteristics

Battery : Lithium-Ion (3.7V DC, 1200mAh)  
Charging : USB connector  
Typical Operating Current : 300mA@3.3V

### RFiD Standard

ISO/IEC 14443A,B, 15693

### User Environment

Drop Spec : 5 feet (1.5m)  
Operating : 32°F (0°C) ~ 113°F (45°C)  
Storage : -4°F (-20°C) ~ 113°F (45°C)  
Humidity : 5% ~ 85% (noncondensing)

### Functionality

Memory Flash ROM : 256KB Program, 4MB User Data  
Memory RAM : 64KB  
Microprocessor : ARM7, 32 bits  
Real-time Clock : Quartz RTC for timestamp

### Interfaces

Bluetooth® V2.1+EDR, Class 2, HID/SPP/MFi  
USB to Serial (Micro USB port)

## Symbologies

All major 1D and 2D Symbologies  
EMC - CE, FCC, KCC, TELEC

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## Supported Cards

NXP (Philips) ICODE1, ICODE-SLI, etc  
Texas Instrument TagIT  
NXP (Philips) MIFARE Classic, Plus, UltraLight, DESFIRE, SmartMX, ProX, NTAG  
Infineon SLE66 family  
ST MicroElectronics SR, SRI, SRIX families  
HID iClass, Inside PicoTag  
ASK CTS256/CTS512  
Calypso (CD97, CD21, GTML, etc)  
And virtually any ISO/IEC 14443 A or B compliant smartcard, ISO/IEC 15693 compliant RFID label, or NFC device (ISO/IEC 18092 / 21481) running in card emulation mode

## Wedging & Synchronization

- Store to a file or transfer to the application
- Keyboard wedge function
- Add-on prefixes and suffixes
- Barcode option selection

## Application Generation

- SDK for PC and Smartphone application
- Application generation tool
- Database lookup feature
- Inventory management feature

## Models

KDC450-SR, KDC450-SRi, KDC450-SF,  
KDC450i-SF

## Package Contents

