

# 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.



## ADVANCED FEATURES

- Custom case for smartphone
- 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.



Windows



Mac

### Transportation

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



# KDC450 Specifications

## Hardware Specifications

### Physical Characteristics

- **Size** : 1.69"x3.70"x0.94" (43mmx94mmx24mm)
- **Weight** : 3.0 oz (85 grams)

### Electrical Characteristics

**Battery** : Lithium-Ion (3.7V DC, 1200mAh)

**Charging** : Via USB connector

**Typical Operating Current** : 300mA@3.3V

### RFiD Standard

ISO/IEC 14443A,B, 15693

### User Environment

**Drop Spec** : 5 feet (1.5m)

**Operating** : 14oF (-10°C) ~ 122°F (50°C)

**Storage** : -4°F (-20°C) ~ 140°F (60°C)

**Humidity** : 5% ~ 80% (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)

## 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

## Symbologies

All major 1D and 2D Symbologies

## 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

## Regulatory Conformance

EMC - CE, FCC, MIC, TELEC

## Models

KDC450SR, KDC450SRi, KDC450SF, KDC450SFi

## Package Contents

- 1 Data Collector with rechargeable battery
- 1 USB cable, 1 Neck strap, 1 Software CD

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