

# KDC400 Barcode/MSR SLED for Smartphone

## A New Wave in Auto-ID

The KDC400 enables diverse mobile Auto-Identification applications to collect barcode and MSR 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 KDC400 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.

KDC400 comes with FREE KTSync® keyboard wedging software and FREE SDK for Android.



## ADVANCED FEATURES

- Custom case for smartphone
- Supports 1D and 2D barcodes
- Supports triple track and Japan double side track
- Class2 *Bluetooth*® with HID and SPP Profiles
- Rechargeable Li-Ion Battery
- KTSync® with Keyboard Wedging features



## Transportation

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



# KDC400 Specifications

## Hardware Specifications

### Physical Characteristics

#### Barcode Model (Basic)

- **Size** : 2.5" x 3.7" x 0.4~0.8"  
(65mm x 95mm x 10~20mm)
- **Weight** : 3.3 oz. (94 grams)

#### Barcode/MSR Model (Basic)

- **Size** : 2.5" x 4.7" x 0.4~0.8"  
(65mm x 121mm x 10~20mm)
- **Weight** : 4.0 oz. (115 grams)

### Electrical Characteristics

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

**Charging** : Via USB connector

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

### Scanning Performance

**1D Laser** : 100scans per second

**2D Image** : 752 x 480 CMOS sensor

### 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)

### Interfaces

**Bluetooth**® V2.1+EDR, Class 2, HID/SPP

### Functionality

**Memory Flash ROM** : 256KB

**Memory RAM** : 64KB

**Microprocessor** : ARM7, 32 bits

**Real-time Clock** : Quartz RTC

**Buzzer** : 92dB

**Button** : 2 Scan, 1 Up, 1 Down

**LED** : 1 Tri-Color LED

## Barcode Symbologies

### 1 Dimensional

EAN, UPC, Code 39, Code 93, Code 128, Codabar, Interleaved 2 of 5, GS1-128, Code 3 of 5

### 2 Dimensional

All major 1D, 2D, Postal, OCR-A/B codes

## Supported RFID 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

Calypos (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

## MSR

- Comply with ISO7810/7811/7812 (Triple track) or JIS6220 (Japan double sided track)
- **Life** : Minimum 500,000 swipes
- **Swipe speed** : 3.9 to 50 inch/sec (10 to 150 cm/sec)

## Wedging & Synchronization

- Keyboard wedge function
- Add-on prefixes and suffixes
- Barcode option selection

## Regulatory Conformance

**Laser Safety** – IEC/CDRH Class II

**EMC** - CE, FCC, KC, TELEC

## Models

KDC410, KDC400i, KDC415T, KDC415iT, KDC415J, KDC415iJ, KDC420, KDC420i, KDC425T, KDC425iT, KDC425J, KDC425iJ, KDC430T, KDC430iT, KDC430J, KDC430iJ, KDC450, KDC450i

## Package Contents

1 SLED with rechargeable battery,  
1 SLED charging USB cable, 1 Smartphone charging USB cable, 1 Hand strap, 1 Software CD

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