

# 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, Blackberry, iOS (iPhone, iPod touch, iPad) and Windows.



## ADVANCED FEATURES

- Custom case for smartphone
- Supports 1D and 2D barcodes
- Supports triple track and Japan double side track
- Class2 Bluetooth® with HID/SPP/ MFi(iPhone model only) Profiles
- Rechargeable Li-Ion Battery
- KTSync® with Keyboard Wedging features.



- Transportation
- Logistics
- Healthcare Services
- Field Services
- Distribution & Retail
- Property Management

# 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/MFi (Optional 2 ports)

### 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

## 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

EMC - CE, FCC, KC, TELEC

## Models

**KDC410** – 1D Barcode Sled

**KDC415** – 1D Barcode/MSR Sled

**KDC420** – 2D Barcode Sled

**KDC425** – 2D Barcode/MSR Sled

**KDC430** – MSR Sled

**KDC4xx** – Custom model for a Smartphone

## 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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