

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, KDC420SR, KDC420SF, KDC420i-SR, KDC420i-SF, KDC425SR-T, KDC425SF-T, KDC425i-SR-T, KDC425i-SF-T, KDC425SR-J, KDC425SF-J, KDC425i-SR-J, KDC425i-SF-J, KDC430T, KDC430iT, KDC430J, KDC430iJ, KDC450SR, KDC450SRI, KDC450SF, KDC450SFi

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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