



# KOAMTAC

## KDC500 Bluetooth mPOS Companion

### A New Wave in Auto-ID

KOAMTAC's KDC500 Bluetooth® mobile POS companion combines Chip-and-Pin and MSR payment transaction technology with 1D/2D barcode scanning and NFC capabilities. The KDC500 can connect to any Android, iOS, Mac, and Windows mobile/PC via Bluetooth.

The PCI-compliant detachable sled design provides a secure and convenient user payment transaction and barcode scanning experience.

The KDC500 is 50% smaller and lighter than its competitors, but with its ultra-efficient power management technique, it enables a long-lasting operation; up to a few weeks on a single charge.

ezVSP™ services layer controls and manages Bluetooth communication between POS and payment applications to ensure smooth and secure data collection. The KDC500 comes complete with a 1D CCD or 2D imager barcode reader option. The 1D barcode solution provides an economical and fast scanning experience for budget-conscious projects. The 2D imager offers a high-end scanning solution and the ability to scan all major 2D barcodes, such as QR and PDF417 codes.

Free SDK and technical support from top engineers and the development team ensure ease of data collection in any situation.

#### ADVANCED FEATURES

- ▶ PCI/EMV Certified
- ▶ Supports 1D and 2D barcodes
- ▶ Supports NFC Paypass/Paywave (Coming Soon!)
- ▶ Rechargeable Li-Ion Battery with Wireless Charging option
- ▶ Custom SmartSled cases for smartphones and tablets



Chip and PIN



### Hardware Specifications

#### Physical Characteristics

Size: 1.93" x 4.60" x 0.98" (49 mm x 117 mm x 25 mm)  
Weight: 5.64 oz (160 g)

#### Electrical Characteristics

Battery: Lithium-Ion (1130 mAh)  
Charging: USB connector, Charging Cradle, or Wireless Charging

### Performance

#### Functionality

Memory Flash ROM: 1MB Program, 4MB User Data  
Memory RAM: 128KB

#### 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

#### OS Support

Android, iOS, Mac OS X, Windows

#### Regulatory Conformance

LED Safety: IEC62471:2006  
Electrical Safety: UL 60950-1; EN/IEC 60950-1; EN/IEC 60825-1  
EMI/RFI: R&TTE, FCC, KC, TELEC  
Environmental: RoHS Compliant  
Payment: PCI PTS 4.x, EMV L1/L2, SRED

#### Scan Range (10mil Code39)

CCD: 2.17" to 11.81" (55 mm to 300 mm)  
Imager: 1.1" to 13.3" (28 mm to 338 mm)

### Interfaces

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

### User Environment

Drop Spec: 4' (1.2 m)  
Operating: -4°F to 122°F (-20°C to 50°C)  
Storage: -4°F to 140°F (-20°C to 60°C)  
Humidity: 5% to 95% (non-condensing)

### Symbologies

**CCD (1D):** EAN-13, EAN-8, UPC-A, UPC-E, Code 39, ITF14, Code 128, Interleaved 2 of 5, Codabar, GS1-128, Code 93, Code 35, Bookland EAN-13, EAN-13/8 incl. add on, UPC-A/E incl. add on, GS1 Omni, GS1 Limited, GS1 Expanded

**Imager (1D):** Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, EAN-8, EAN-13, GS1 Composite, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, PosiCode, GS1 Omni, GS1 Limited, GS1 Expanded, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, TCL39, Telepen, Tri-Optic, UPC-A, UPC-E0, UPC-E1

**Imager (2D):** Aztec Code, Aztec Runes, Codablock F, Code 16K, Code 49, Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code, Han Xin Code

**Postal Codes:** POSTNET, Planet Code, British Post, Canadian Post, Netherlands (KIX) Post, Australian Post, Japanese Post, Chinese Post, Korean Post

**OCR Options:** OCR-A, OCR-B, OCR Passport (optional), OCR MICR(E13B), OCR Semi Font

### RFID Standard

ISO 14443, Paypass, Paywave

### Smartcard Reader

EMV L1, L2

### Mag-Stripe Reader (MSR)

Track 1/2/3, Bidirectional ISO 7810, 7811, 7813

### Your KDC

#### Models

KDC500, KDC500i, KDC500L,  
KDC500Li, KDC500C, KDC500Ci,  
KDC500M, KDC500Mi

#### Compatible Accessories

SmartSled Case for KDC400 Series  
KDC500 Charging Cradle  
KBD401 Dongle

#### Package Contents

1 x KDC500 mPOS Companion  
1 x KDC Micro USB Cable

