KOAMTAC

KDC®500
Bluetooth mPOS Companion

A New Wave in Auto-ID

The KOAMTAC 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.

Complementary 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
- Rechargeable Li-Ion Battery with Wireless Charging option
- Custom SmartSled cases for smartphones and tablets

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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 (1100 mAh)
Charging: USB connector, Charging Cradle, or Wireless Charging

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)

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
R&TTE, FCC, KC, TELEC, VCCI, RoHS Compliant
LED Safety: IEC62471:2006
Payment: PCI PTS 4.x SRED, EMV L1 & L2 Contac, EMV L1 Contactless, Master Card Contactless 3.1.1, VISA payWave 2.2

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)

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

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
KBD401K Dongle

Package Contents
1 x KDC500 mPOS Companion
1 x KDC Micro USB Cable

CAUTION
LASER RADIATION—
DO NOT STARE INTO BEAM
<1 MILLIWATT LASER DIODE
IEC60825–1 CLASS II LASER PRODUCT