



KDC[®]500

Bluetooth mPOS Companion
and Barcode Scanner



Streamline Payments and Data Collection

The KDC500 Bluetooth mobile POS companion merges Chip-and-Pin and MSR payment technology with powerful 1D/2D barcode scanning and NFC capabilities. Designed for seamless integration, the KDC500 connects effortlessly to Android, iOS, Mac, and Windows devices via Bluetooth, making it the ultimate tool for efficient transactions and data management across various platforms.



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Versatile Functionality

The KDC500 is a multi-functional Bluetooth mPOS device that combines Chip-and-Pin and MSR payment processing with advanced 1D/2D barcode scanning and NFC capabilities. Compatible with Android, iOS, macOS, and Windows systems, making it adaptable to a wide range of mobile devices and PCs. This versatility makes the KDC500 ideal for various applications, such as retail checkouts, line-busting in busy environments, on-the-go transactions, and food truck operations.

Compact Design

Despite being 50% smaller and lighter than its competitors, the KDC500 doesn't compromise on performance. Its ultra-efficient power management ensures several weeks of operation on a single charge, providing the portability and endurance required for demanding business environments. The compact design and long-lasting battery make the KDC500 the perfect solution for businesses that need a powerful, portable POS device that can go the distance.

Secure & Compliant Transactions

The KDC500 features a PCI-compliant detachable sled that ensures both secure and convenient payment processing along with barcode scanning. This device meets stringent security standards, including PCI PTS 4.x SRED and EMV Level 1 & 2 for both contact and contactless payments. Additionally, it supports MasterCard Contactless 3.1.1 and VISA payWave 2.2, guaranteeing a secure and reliable payment experience that aligns with the highest industry standards.

Seamless and Secure Data Collection

The ezVSP™ services layer efficiently manages Bluetooth communication between the KDC500 and payment applications, ensuring smooth and secure data collection. The KDC500 comes equipped with a 2D imager for high-end scanning that can read all major 2D barcodes, including QR and PDF417 codes.

Keyboard wedging and configuration features are included in the complementary SDK for Android, iOS, macOS, Windows, Xamarin, Cordova, React Native, Flutter, and Web. Additionally, receive technical support from top engineers and the development team to ensure ease of data collection in any situation.



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

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

OS Support

Android, iOS, macOS, Windows

Your KDC

Models

KDC500C-R5
*Other engines can be requested for large projects

Compatible Accessories

1-Slot Charging Cradle
KBLED50 USB BLE Dongle



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)

Scan Engine Specs (20mil Code39)

Imager: 1.1" to 13.3" (28 mm to 338 mm)

Symbologies

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 Standards

ISO 14443, Paypass, Paywave

Smartcard Reader

EMV L1, L2

Mag-Stripe Reader (MSR)

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

