KOAMTAC

KDC®185
Wearable Mini Bluetooth
Barcode Scanner & Data Collector

Rugged ▸ Powered ▸ Designed ▸ Connected ▸ Equipped ▸

The ultra-compact and lightweight KDC185 barcode scanner puts the power of a KDC at your finger tip. Designed to be worn on a single finger, the KDC185 is slender and discreet. Combine the KDC185 with either a KOAMTAC Ring Trigger or Safety Glove to take your scanning on the go. When it's time to charge, simply charge via Type-C USB cable or pogo pins in our 2 or 10-Slot Charging Cradles.

Rugged
The KDC185 is IP65-rated and has a 6' drop spec when equipped with a protective rubber boot. This rating means that the KDC185 is dust tight and water resistant; ideal for any environment.

Powered
Advanced power management puts the KDC in "hibernation mode" when not actively in use, allowing the user to achieve maximum battery life. Charging is made easy with Type-C USB cable or charging cradle options. Additionally, the KDC185 is equipped with a removable 500mAh lithium-polymer battery, enabling the user to make quick battery swaps.

Designed
The KDC185 effortlessly integrates with the KDC185 Ring Trigger or Safety Glove and can be quickly switched between each wearable solution. Crafted with mobility and ergonomics in mind, the KDC185 is light and compact enough to be worn on a single finger without sacrificing performance. A 0.66" OLED display relays scanning feedback to the user along with two LED indicators.

Connected
The KDC185 features Bluetooth® Low Energy 5.0 to enable faster and simpler connection methods for use with smart watches, smart glasses, and other smart devices. The KDC185 also features NFC Pairing, which allows Android host devices to connect in HID or SPP by simply tapping the NFC area of the host device with the KDC185.

Equipped
The KDC185 is equipped with a 2D imager scan engine capable of reading all major barcode symbologies. 5MB of on-board memory stores up to 262,000 UPS product barcodes and allows basic applications to run right on the device.

KTSync® software with keyboard wedging, application generation, database look up, inventory management, and KDC configuration features is included for Android, iOS, and Windows devices. Complementary SDK for Android, iOS, Mac OS X, Windows, Xamarin, and Cordova as well as technical support from top engineers and the development team ensure ease of data collection in any situation.

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Hardware Specifications

Physical Characteristics
Size: 2.56" x 1.14" x 0.70"
(65 mm x 29 mm x 17.9 mm)
Weight: 1.2 oz (35 g)

Electrical Characteristics
Battery: 500mAh Lithium-polymer (removable)
Charging: Type-C USB connector, Charging Cradle

Interfaces
Bluetooth® Low Energy 5.0: HID (Android/iOS/Windows),
SPP (Optional Secure Mode)
Type-C USB: Flash Memory (Windows), USB HID, USB Serial (Android with OTG cable / Windows)

User Environment
Ingress Protection Rating: IP65
Drop Spec: 4' (1.2m) without protective boot
6' (1.8 m) with protective boot
Operating: 14˚F to 122˚F (-10˚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, 5MB User Data
Memory RAM: 256KB
Can store up to 262,000 barcodes (EAN-13)

Wedging & Synchronization
Store to a file or transfer to an application
Keyboard wedge function
Add-on prefixes and suffixes
Barcode option selection

Application Generation
SDK for Android, iOS, Mac OS X, Windows, Xamarin, Cordova
Application generation tool and Matching

OS Support
Android, iOS, Mac OS X, Windows

Regulatory Conformance
CE, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant
LED Safety: IEC62471:2006

Scan Range (20mil Code39)
2.79" to 29.41" (71 mm to 747 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 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

Special Features
NFC Pairing
Social Distance Solution

Your KDC

Models
KDC185

Compatible Accessories
Ring Trigger
Safety Glove
2-Slot & 10-Slot Charging Cradles

Package Contents
1 x KDC185 Reader
1 x KDC Lanyard
1 x KDC Type-C USB Cable
1 x KDC185 Protective Boot