KDC®185
Wearable Mini Bluetooth
Barcode Scanner & Data Collector
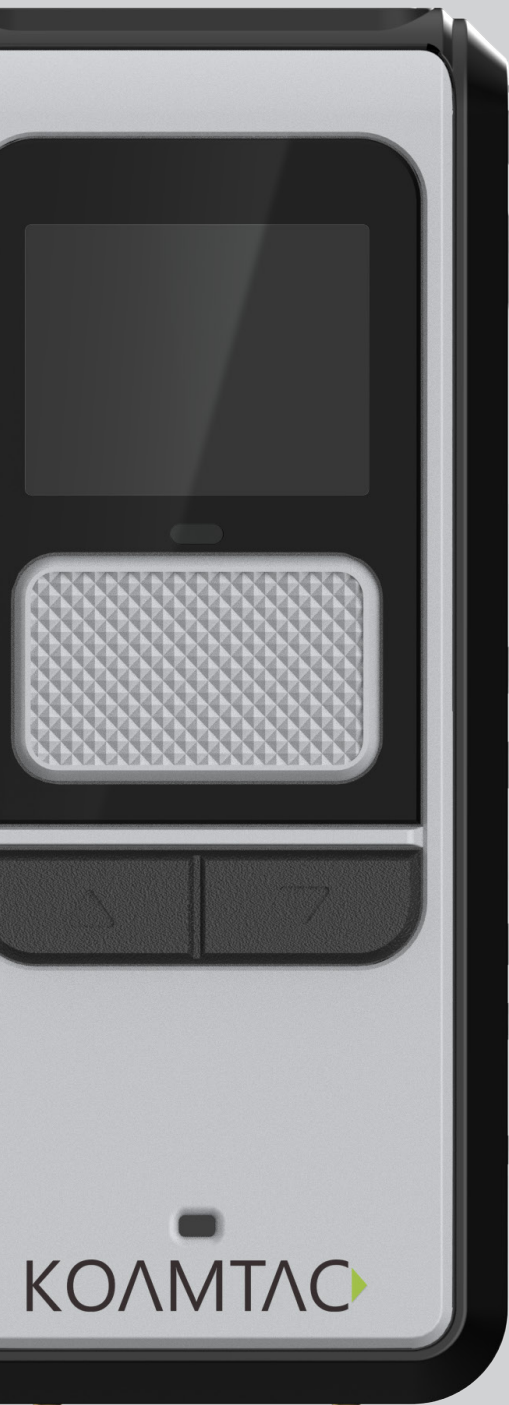

On-the-Go Scanning Wherever, Whenever

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.

KDC185
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Wearable-Ready

The KDC185 seamlessly integrates with both the Ring Trigger and Safety Glove wearable accessories for maximum functionality. Its Ring Trigger supports ambidextrous use on a single finger, featuring a thumb-accessible scan button. Effortlessly switch between the Ring Trigger and Safety Glove setups for optimal adaptability. The Safety Glove provides a comfortable fit over bare hands or work/winter gloves, made from lightweight, washable, cut-resistant yarn. Securely attach the KDC185 to the palm base and activate scanning with a conveniently located button near the thumb.

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.

Versatile

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.

Rugged

The KDC185 is IP65-rated and has a 6' drop spec when wearig the protective boot. The device 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.

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.

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.

KDC185

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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-Ion (removable)
Charging: USB, 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
IP 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, Xamarin, Cordova, React Native, Flutter, and Web
Application generation tool and Matching

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

OS Support
Android, iOS, macOS, Windows

Scan Engine Specs (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 Charging Cradle
10-Slot Charging Cradle
KDC185 Protective Boot

CAUTION
LASER RADIATION—
DO NOT STARE INTO BEAM
<1 MILLIWATT LASER DIODE
EC60825-1 CLASS II LASER PRODUCT

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KDC185 - 20241217