



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 fingertip. As the smallest and lightest scanner available, it's designed for comfortable wear on a single finger or glove. The KDC185 also leads in battery performance, offering 25% to 300% more uptime than competing scanners¹. Pair it with a KOAMTAC Ring Trigger or Safety Glove for hands-free use.

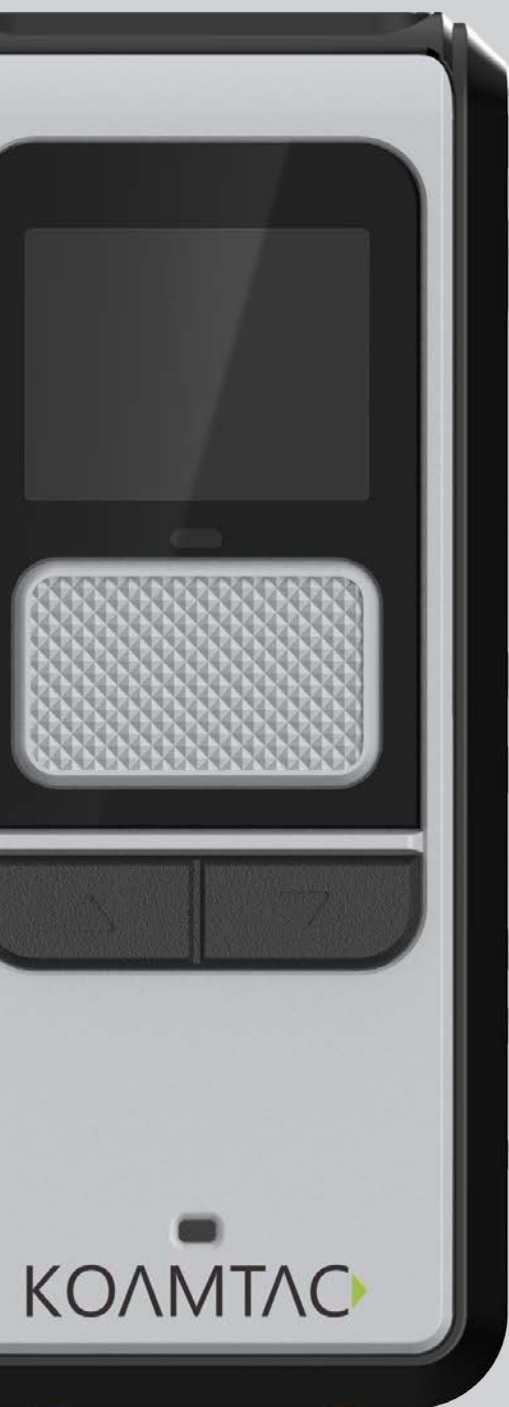
1 Approximately 1.25x to 3x the battery life when compared to typical consumer-grade products. Based on internal testing



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Wearable-Ready

The KDC185 securely attaches to both the Ring Trigger and Safety Glove accessories for enhanced functionality. The ambidextrous Ring Trigger features a thumb-accessible scan button for single-finger use. Easily switch between the Ring Trigger and Safety Glove setups for optimal flexibility. Made from lightweight, cut-resistant yarn, the Safety Glove fits comfortably over bare or gloved hands, is washable for easy maintenance, and securely holds the KDC185, with scanning activated by a button near the thumb.

Unmatched Battery Performance

The KDC185 delivers 25% to 300% longer battery life than competing ring scanners². Its outstanding efficiency comes from intelligent power management that automatically enters a low-power sleep mode when not in use. Depending on scanning frequency, the device can operate for over a day and a half on a single charge when performing one scan every 10 seconds³. With its extended battery life, the KDC185 is engineered to power through multiple shifts. When it's time to charge, use the USB-C cable or an optional multi-slot charging cradle to minimize downtime.

Powerful and Flexible Scanning

The KDC185 features a 2D imager scan engine that reads all major barcode symbologies. Equipped with a 5MB on-board memory, it can store up to 256,000 UPS product barcodes and run basic applications directly on the device, unlike standard keyboard wedge or batch scanners. Additionally, the KDC185 includes an OLED display, providing a clear interface for users in Application Mode. In this mode, the device operates as a barcode terminal, allowing users to run custom programs and perform interactive, workflow-specific tasks without relying on a host system, offering enhanced control and flexibility in the field.

Dependable Connectivity

The KDC185 ensures seamless connectivity with Bluetooth Low Energy 5.0 for faster, more reliable connections to smart devices like smartwatches and smart glasses. Pairing is effortless with multiple options: NFC pairing for Android devices, a quick scan of a pairing QR code, or through the app or on-device setup. These convenient methods make connecting the KDC185 to your system smooth and efficient.

Rugged

The KDC185 features an IP65 rating and a 6-foot drop specification when equipped with the protective boot, ensuring reliable performance in demanding environments.

Unmatched Value

The KDC185 delivers exceptional value with extended battery life, advanced scanning capabilities, and rugged durability at a fraction of the cost of comparable ring scanners. Its compatibility with both ring and glove wearables ensures adaptability to various environments, providing flexible, hands-free scanning while keeping total cost of ownership low.

1 Approximately 1.25x to 3x the battery life when compared to typical consumer-grade products. Based on internal testing.
3 Battery life based on internal testing using 1 scan/210 seconds.

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.



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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

Operation Time (1 scan every 10 seconds)

Over 1 and a half days

Performance

Functionality

Memory Flash ROM: 1MB Program, 5MB User Data
Memory RAM: 256KB
Can store up to 256,000 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

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: 6' (1.8 m) with protective boot
Tumble Test: 2,000 cycles at 1.6' (0.5 m)
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)

Scan Engine Specs

20mil Code39 DoF (2.79" to 29.41" ,71 mm to 747 mm)
Resolution 640 × 480, Global shutter, 120FPS

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

Bluetooth Settings Pairing, NFC Pairing, Device QR Pairing,
Application QR Pairing

Your KDC

Models

KDC185

Compatible Accessories

Ring Trigger
Safety Glove
2-Slot Charging Cradle
10-Slot Charging Cradle
KDC185 Protective Boot

