KDC®80

Bluetooth Barcode Scanner
& Data Collector

The Next Generation KDC Companion scanner

The KDC80 is the successor to the widely popular KDC200 Barcode Scanner. With features including Bluetooth Low Energy 5.0, an upgraded laser or CCD engine, and a Type-C USB port, the KDC80 is a overall improvement over the KDC200 and other entry level scanners. The KDC80 enables diverse mobile Auto-Identification applications for collecting and storing barcode data.

100 Village Blvd, Suite 300, Princeton, NJ 08540 USA
T: +1-609-256-4700
info@koamtac.com www.koamtac.com

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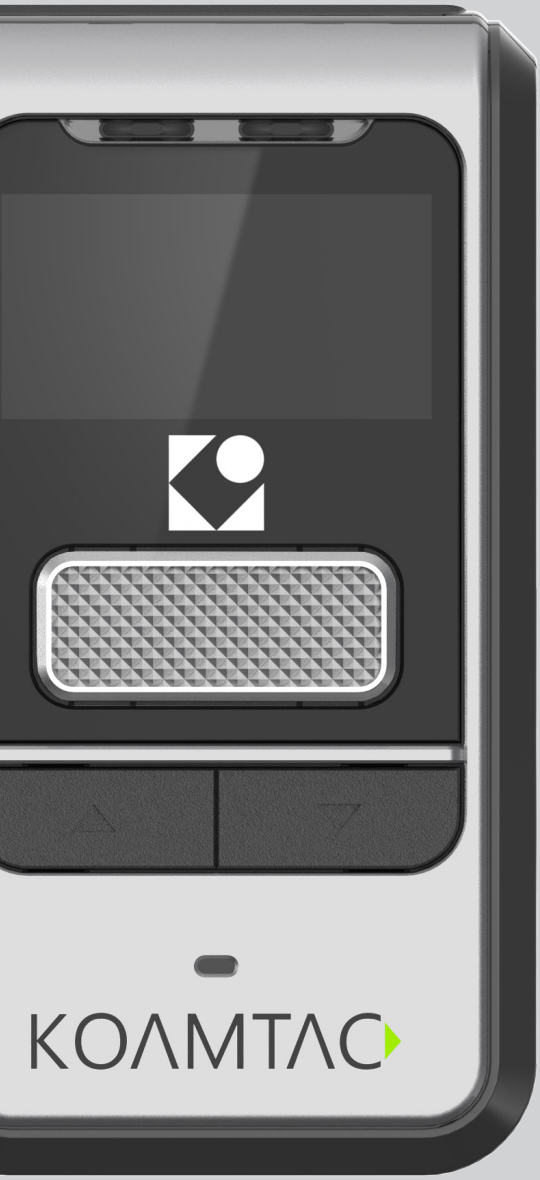

Designed

The KDC80 features a display as well as an LED indicator to quickly and visually relay scanning feedback to the user. Lightweight and ergonomic, the KDC80 is easily operated in hand and can be worn on a lanyard.

Versatile

The KDC80 is available with a laser or CCD scan engine capable of reading all major 1D barcode symbologies. 5MB of on-board memory can store up to 256,000 UPS product barcodes and allows basic applications to run right on the device.

Powered

Advanced power management puts the KDC in "hibernation mode" when not actively in use, allowing the user to achieve maximum battery life. The KDC80 can be easily charged via Type-C USB cable. Additionally, the KDC80 is equipped with a 200mAh rechargeable lithium-polymer battery, enabling sufficient battery life for day-to-day scanning operations.

Connected

The KDC80 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 KDC80 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 KDC80. Additionally, automatic setup is supported by Samsung KNOX.

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:1.3" x 2.4" x 0.6" (34 mm x 62 mm x 16 mm)
w/ Boot:1.4" x 2.5" x 0.7" (36 mm x 64 mm x 17 mm)
Weight: 1.2 oz (35 g)
Protective Boot: 0.2 oz (7 g)

Electrical Characteristics
Battery: 200mAh Lithium-Polymer
Charging: Type-C USB connector

Operation Time (1 scan every 10 seconds)
KDC80L: Over 2 days
KDC80D: Over 1 day

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

User Environment
IP Rating: IP42
Drop Spec: 5' (1.5m) without 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: Program 1MB / User Data 5MB
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
Laser Safety, KDC80L: IEC60825-1 (Class II)
LED Safety, KDC80D: IEC62471:2006

OS Support
Android, iOS, macOS, Windows

Scan Engine Specs (20mil Code39)
Laser: 1.57" to 25.59" (40 mm to 650 mm)
CCD: 2.36" to 18.11" (60 mm to 460 mm)

Symbologies
Laser/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

Special Features
NFC Pairing
Automatic setup with Samsung KNOX
Social Distance Solution

Your KDC

Models
KDC80L, KDC80D
*L=1D Laser, D=1D CCD,

Compatible Accessories
KDC80 Protective Boot

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