



# KOAMTAC

## KDC280

Bluetooth Low Energy  
Barcode Scanner & Data Collector

Rugged ▶ Powered ▶ Designed ▶ Connected ▶ Equipped ▶

This miniature Bluetooth Low Energy barcode scanner is the culmination of decades of engineering and human-centered design experience focused on maximizing efficiency and minimizing costs of auto-identification in any industry.

### Rugged

The KDC280 is IP65-rated and has a 5' drop spec. This means the device is dust tight and water resistant; it's ideal for any environment.

### Powered

Advanced power management puts the scanner in "hibernation mode" when not actively in use, allowing the battery to outlast an average work shift. When power does run out, charging is easy with a Micro USB connector or charging cradle.

### Designed

Like its predecessors, the KDC280 is small enough to fit in your pocket and light enough to wear on a lanyard around your neck for a full day without strain. The 1" OLED display and 3-button design make interacting with your device easier than ever; no need to decode flashing colored lights to determine if your data was collected – you can view it right on the screen!

### Connected

The KDC280 features Bluetooth® Low Energy to enable faster and simpler connection methods for use with smart watches, smart glasses, and other wearable smart devices. When connected via the BLE profile, users will experience low power consumption and fast data transmission while maintaining an uncompromised connection.

### Equipped

Available in 1D Laser, 1D CCD, and 2D Imager models the KDC280 is able to read all major symbologies. 8MB of on-board memory stores over 400,000 UPC product barcodes and 60,000 product database records 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 and technical support from top engineers and the development team ensure ease of data collection in any situation.



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KDC280 - 200330

# KOAMTAC® KDC280

## Bluetooth Low Energy Barcode Scanner & Data Collector

### Hardware Specifications

#### Physical Characteristics

Size: 1.57" x 3.23" x 0.71" (40 mm x 82 mm x 18 mm)  
Weight: 2.03 oz (57.5 g)

#### Electrical Characteristics

Battery: Lithium-Ion (3.7V DC, 650mAh)  
Charging: USB connector, Charging Cradle

### Interfaces

Bluetooth® Low Energy 4.1: HID (Android/iOS/Windows),  
SPP/Open (Android/Tizen)  
Micro USB: Flash Memory (Windows), USB HID, USB Serial  
(Android with OTG cable / Windows)

### User Environment

Ingress Protection Rating: IP65  
Drop Spec: 5' (1.5 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)

### Performance

#### Functionality

Memory Flash ROM: 256KB Program, 8MB User Data  
Memory RAM: 64KB

#### 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 PC and smartphone application  
Application generation tool  
Database lookup and Inventory Management features

#### OS Support

Android, iOS, Mac OS X, Windows, Tizen

#### Regulatory Conformance

R&TTE, FCC, KC, TELEC, VCCI, SRRC, RoHS Compliant  
Laser Safety: IEC60825/CDRH Class II  
LED Safety: IEC62471:2006

### Scan Range (10mil Code39)

Laser: 1.97" to 7.48" (50 mm to 190 mm)  
CCD: 2.17" to 11.81" (55 mm to 300 mm)  
Imager: 1.8" to 9.68" (46 mm to 246 mm)

### Symbologies

**Laser (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

**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

**Imager (1D):** Codabar, Code 11, Code 39, Code 93, Code  
128, EAN-8, EAN-13, GS1 Composite, Interleaved 2 of 5,  
Matrix 2 of 5, MSI, Plessey, GS1 Omni, GS1 Limited, GS1  
Expanded, Straight 2 of 5 Industrial, Straight 2 of 5 IATA,  
Telepen, Tri-Optic, UPC-A, UPC-E0, UPC-E1

**Imager (2D):** Aztec Code, Aztec Runes, Codablock F, Data  
Matrix, MaxiCode, MicroPDF417, PDF417, QR Code

**Postal Codes:** POSTNET, Planet Code, British Post, Canadian  
Post, Netherlands (KIX) Post, Australian Post, Japanese Post,  
Chinese Post, Korean Post

**OCR Options:** OCR Passport

### Your KDC

#### Models

KDC280L-BLE, KDC280D-BLE  
KDC280C-BLE

#### Compatible Accessories

1-slot and 4-slot Charging Cradles  
KDC270 Finger Trigger Glove  
KDC270 Ring Scanner  
KBLED41 Dongle  
KBD401K Dongle



### Package Contents

1 x KDC280 Barcode Scanner  
1 x KDC Lanyard  
1 x KDC Micro USB cable  
1 x Protective Boot



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