



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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KOAMTAC® KDC[®]280

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 5.0: HID (Android/iOS/Windows), SPP
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

MRZ: Supported

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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