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
The KDC280 2D Imager model 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. Free SDK and technical support from top engineers and the development team ensure ease of data collection in any situation.

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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, HID/SPP/Open
USB to Serial (Micro USB port)
HID/Flash Memory

User Environment
Ingress Protection Rating: IP65
Drop Spec: 5' (1.5 m)
Operating: -4°F to 122°F (-20°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, Mac OS X, Windows, Tizen

Regulatory Conformance
Laser Safety: IEC60825/CDRH Class II
LED Safety: IEC62471:2006
Electrical Safety: UL 60950-1; EN/IEC 60950-1;
EN/IEC 60825-1
EMI/RFI: R&TTE, FCC, KC, TELEC
Environmental: RoHS Compliant

Scan Range (10mil Code39)
Imager: 1.8" to 9.68" (46 mm to 246 mm)

Symbologies
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, Netherlands (KIX) Post, Australian Post, Japanese Post, Chinese Post, Korean Post
OCR Options: OCR Passport

Your KDC

Models
KDC280C-BLE

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

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