The compact and lightweight KDC180 designed for use with KOAMTAC’s Ring Trigger or Finger Trigger Glove to create the perfect wearable solution for your business. With models supporting inductive charging, UHF tag reading, and an alphanumeric keypad, the KDC180 is ready to tackle any task. Charge your device via Micro USB cable or pogo pins in our 2- or 10-Slot Charging Cradles.

**Rugged**
The KDC180 is IP65-rated and has a 6’ 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, easily charge the KDC via Micro USB cable or charging cradle. Some KDC180 models support inductive charging allowing you to charge using your favorite wireless charging pad.

**Designed**
The KDC180 easily and securely integrates with wearable scanning solutions such as the Ring Trigger or Finger Trigger Glove. The 1” OLED display along with a set of 5 programmable LED indicators provides scan feedback to the user. Additionally, the KDC180 is available in models including a number pad allowing for manual entry of unreadable or problematic barcodes.

**Connected**
The KDC180 features Bluetooth® Low Energy 5.0 to enable faster and simpler connection methods for use with smart watches, smart glasses, and other wearable smart devices. BLE offers low power consumption and fast data transmission while maintaining an uncompromised connection. The KDC180 also features NFC Pairing to Android host devices enabling users to connect in HID or SPP by simply approaching the NFC area of the host device with the KDC180.

**Equipped**
The KDC180 is equipped with a 2D imager scan engine capable of reading all major barcode symbologies. The KDC180 is also available in models with an integrated UHF reader capable of reading popular RFID standards. 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 for Android, iOS, Mac OS X, Tizen, Windows, Xamarin, and Cordova and technical support from top engineers and the development team ensure ease of data collection in any situation.
Hardware Specifications

Physical Characteristics
- Size (Inductive, Keypad): 2.72” x 1.57” x 0.80” (69 mm x 40 mm x 20.3 mm)
- Size (UHF): 2.72” x 1.57” x 1.10” (69 mm x 40 mm x 27.1 mm)
- Weight: 2.23 oz (63.2 g)
- Weight (Inductive): 2.30 oz (65.3 g)
- Weight (Keypad): 2.30 oz (65.3 g)
- Weight (UHF): 2.87 oz (81.5 g)
- Weight (UHF, No Scanner): 2.66 oz (75.4 g)
- Weight (Single Ring Trigger Only): 0.72 oz (20.5 g)
- Weight (Glove Only): 1.76 oz (50 g)

Performance

Functionality
- Memory Flash ROM: 256 KB Program, 256KB User Data
- Memory RAM: 64KB
- Can store up to 13,000 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, iOS, Mac OS X, Tizen, Windows, Xamarin, Cordova
- Application generation tool
- Database Lookup, Inventory Management, and Matching

OS Support
- Android, iOS, Mac OS X, Tizen, Windows, Xamarin, Cordova

Regulatory Conformance
- R&TTE, FCC, KC, TELEC, VCCI, SRRC, RoHS Compliant
- LED Safety: IEC62471:2006
- Laser Safety: IEC60825-1 (Class II)

Electrical Characteristics
- Battery: Lithium-ion (1010mAh)
- Charging: Micro USB connector, Charging Cradle

Interfaces
- Bluetooth® Low Energy, HID/SPP/Open
- USB to Serial (Micro USB port)

User Environment
- Ingress Protection Rating: IP65
- Drop Spec: 6’ (1.8 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)

Scan Range (10mil Code39)
- KDC180H: 1.57” to 20.30” (40 mm to 517 mm)

UHF Specs (for UHF models only)
- Nominal Read Range: 1.5’+ (0.5 m+)
- Supported Standards: EPC Class1 Gen2, EPC Gen2 V2

Symbologies
- Imager (2D): Aztec Code, Aztec Runes, Codablock F, Code 16K, 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

OCR Options: OCR-A, OCR-B, OCR Passport (optional), OCR MICR(E13B), OCR Semi Font

Special Features
- NFC Pairing

Your KDC

Models
- KDC180H

Compatible Accessories
- Ring Trigger (Left/Right/Double)
- Finger Trigger Glove
- 2 and 10-Slot Charging Cradles

Package Contents
- 1 x KDC180 Reader
- 1 x KDC Lanyard
- 1 x KDC Micro USB Cable
- 1 x KDC180 Protective boot (Optional)
- 1 x Ring Trigger (Left/Right/Double) or Finger Trigger Glove (Optional)

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