



# KOAMTAC

## RFID Companions for KDC470

### Barcode and RFID Reader in One

The KDC470's modular design allows for numerous enhancements including HF and UHF RFID readers to enable diverse mobile auto identification beyond the barcode.

#### Modular and Ergonomic Design

The KDC470 with RFID Companion attach to **any smart device** via a custom case for a **sled solution**. This unique modular design **protects your investment** as your business evolves.

Comparable RFID readers are bulky and unwieldy; KOAMTAC's RFID readers are lightweight and fit for the shape of your hand.

#### Diverse Bluetooth® V2.1 Profiles

HID, SPP, and MFi allow **seamless connectivity** to any mobile device. Direct physical connection available for select devices.

#### Built for the Toughest Conditions

The KDC470 and RFID readers are IP65-rated meaning they're **dust tight** and **water resistant**. Plus, they can handle a 5' drop.

#### Rechargeable Batteries

Get a full day of power from one charge or easily swap out batteries to keep going from shift to shift.

#### Onboard Storage

8MB of onboard memory allows you to record and **store data** and run basic applications directly on the KDC470

#### RFID Data Reading and Writing in ANY situation

The KDC470 allows for several enhancements including:

- ▶ HF Reader
- ▶ 0.5 W UHF Reader
- ▶ 1.0 W UHF Reader

#### Ideal for:

- ▶ Asset Management
- ▶ Inventory Management
- ▶ Utilities/Field Services
- ▶ Healthcare
- ▶ Aerospace

#### Barcode Scanning + RFID Reading

Coming in 1D Laser, 1D CCD, and 2D CMOS models the KDC470 is able to read all major barcode symbologies.

#### Free SDKs and Tech Support

SDK makes deployment quick, easy, and affordable. Top engineers and the development team ensure ease of data collection in any situation.

## Hardware Specifications

### Physical Characteristics

Companion Size: 2.36" x 4.11" x 0.39" (60 mm x 104.5 mm x 10 mm)  
Size with KDC470: 2.56" x 4.13" x 0.75" (65 mm x 105 mm x 19 mm)  
Companion Weight: 1.38 oz (39 g)  
Weight with KDC470: 4.23 oz (120 g)

### Electrical Characteristics

Battery: Uses the 1130mAh Lithium-Ion battery of KDC470  
User Input: N/A - Reads tags automatically when in proximity

## Interfaces

Bluetooth V2.1+EDR/BLE 4.1, HID/SPP/MFi  
USB to Serial (Micro USB port)

## 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)  
Tumble (Height: 0.5 m): 500 cycles/1000 drops

## Performance

### RFID Details

Standards Supported: ISO/IEC 14443 A/B, ISO/IEC 15693, FeliCa, MIFARE (1K/4K/Ultralight/Ultralight C/DESFire)  
Chip: NXP PN544  
Nominal Read Range: Up to 3.42" (87 mm), dependent on tag type  
Frequency: 13.56 MHz

### Functionality

Memory Flash ROM: 256 KB Program, 8MB User Data (KDC470)  
Memory RAM: 64KB  
Stores: 409,600 RFID tags (ISO/IEC 15693 UID Data)

### Wedging & Synchronization

Store to a file or transfer to an application  
Keyboard wedge function  
Add-on prefixes and suffixes  
Barcode and tag option selection

### Application Generation

SDK for PC and smartphone application  
Application generation tool  
Database Lookup and Inventory Management features

### OS Support

Android, iOS

### Compliance

R&TTE, FCC, KC, TELEC



## KDC470 Barcode 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, Netherlands (KIX) Post, Australian Post, Japanese Post, Chinese Post, Korean Post

OCR Options: OCR Passport

