



# KOAMTAC **KDC470** 1D & 2D Bluetooth Barcode Sled

Rugged ▶ Powered ▶ Designed ▶ Connected ▶ Equipped ▶

This bluetooth barcode sled 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 KDC470 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 (charging cradle for multiple devices) or by easily replacing the battery through the slot on the side.

## Designed

The KDC470 attaches to any smart device via a case for a sled scanning solution. This unique modular design allows you to upgrade your smart device without worrying about replacing the entire scanning solution.

## Connected

Diverse Bluetooth® profiles such as HID, SPP, and MFI, as well as reconnection methods, allow seamless connectivity with any device.

## Equipped

The KDC470 allows for several enhancements including RFID, external battery, and pistol grip companions - expanding the many ways you can collect data with the device.

Coming in 1D Laser, 1D CCD, and 2D CMOS models the KDC470 is able to read all major symbologies. 8 MB of on-board memory stores over 400,000 UPC product barcodes 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.

### Hardware Specifications

#### Physical Characteristics

Size (w/o case):

2.56" x 4.13" x 0.62" (65mm x 105 mm x 15.8 mm)

Weight: 3.07 oz (87g)

#### Electrical Characteristics

Battery: Lithium-Ion (3.7V DC, 1130 mAh)

Charging: via Micro USB connector, Charging Cradle

Typical Operating Current: 300mAh @ 3.3V

### Performance

#### Functionality

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

Memory RAM: 64KB

#### Wedging & Synchronization

Keyboard wedge function

Add-on prefixes and suffixes

Barcode option selection

#### Application Generation

SDK for PC and smartphone application

#### OS Support

Android, iOS, Mac OS X, Tizen, Windows

#### 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: CE, FCC, KC, TELEC

Environmental: RoHS Compliant

#### Scan Range (20mil Code39)

Laser: 1.97 - 16.54 in (50 - 420 mm)

CCD: 2.36 - 18.11 in (60 - 460 mm)

CMOS: 2.36 - 18.35 in (60 - 466 mm)

#### Interfaces

Bluetooth® V2.1+EDR, Class 2, HID/SPP/MFi

Micro USB

#### User Environment

Ingress Protection Rating: IP65

Drop Spec: 5 feet (1.5m)

Operating: -4°F (-20°C) ~ 122°F (50°C)

Storage: -4°F (-20°C) ~ 140°F (60°C)

Humidity: 5% ~ 95% (noncondensing)

#### Laser Symbologies

EAN, UPC, Code 39, Code 93, Code 128, Codabar, Interleaved 2 of 5, GS1-128, Code 3 of 5

#### CCD Symbologies

**Barcode (1D):** UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS) (exl.stacked), IATA, Industrial 2 of 5, Interleaved 2 of 5, ISBN-ISSN-ISSN, Matrix 2 of 5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey

**Barcode (Postal Codes):** Chinese Post, Korean Postal Authority Code

#### CMOS Symbologies

**Barcode (1D):** UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2 of 5, Interleaved 2 of 5, ISBN-ISSN-ISMN, Matrix 2 of 5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey

**Barcode (2D):** Aztec Code, Aztec Runes, Chinese Sensible Code, Codablock F, Composite Codes, Data Matrix (ECC200), Passport MRZ (OCR-B), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR Code

**Barcode (Postal Codes):** Chinese Post, Intelligent Mail Barcode, Korean Postal Authority Code, POSTNET

### Your KDC

#### Models

KDC470Li, KDC470Di, KDC470Ci

#### Package Contents

1 x KDC470 Barcode Sled

1 x KDC Hand Strap

1 x KDC Micro USB Cable

### Compatible Accessories

SmartSled Case for KDC400 Series

SmartSled Charging Case for 470 Series

KDC470 Charging Cradle

HF RFID Companion

