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 onboard 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.
KDC470
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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, CE, FCC, KC, TELEC
Environmental: RoHS Compliant

**Scan Range (20mil Code 39)**
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)

**Laser Symbologies**

**CCD Symbologies**
1D:

2D:
- Aztec Code, Aztec Runes, Chinese Sensible Code, Codablock F, Composite Codes, Data Matrix (EC200), 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

**CMOS Symbologies**
1D:

2D:
- Aztec Code, Aztec Runes, Chinese Sensible Code, Codablock F, Composite Codes, Data Matrix (EC200), 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

**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)

**Scan Range (20mil Code 39)**

**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