



KOAMTAC®

KDC[®]470 & KDC[®]475

Barcode/RFID/mPOS SmartSled

► Our Most Modular Product Yet ►

Whether you need to read barcodes or RFID tags this is the KDC for you. The KDC470 and KDC475 are rugged devices with an IP65 rating and are built to last. No matter what type of data you need to collect or how you need to collect it, there is a companion module to get the job done quickly and accurately. Charge your device with our unique charging cases and never miss a minute of productivity.

Attach to **ANY** Smartphone or Tablet

The KDC470 and KDC475 can be attached to any smart device via a custom case to create a sled scanning solution. This unique modular design allows you to upgrade your smart device without worrying about replacing the entire scanning solution. Your investment in a KDC is protected regardless of upgrades in smartphone and tablet technology.

Barcode Reading

At their base, the KDC470 and KDC475 are superior barcode scanners. Both the KDC470 and KDC475 are available in various models: 1D Laser, 1D CCD, and 2D Imager, so you can read a variety of barcodes in any industry. The KDC475 offers downward angled scan engines, allowing you to hold your device at level while scanning barcodes at a lower height. The KDC connects via Bluetooth Classic or Bluetooth Low Energy (BLE) for easy pairing and data transfers.

RFID Companions

The RFID companions attach directly to your KDC creating a contactless radio frequency identification reader. The interface can be utilized for asset management and tracking whether those assets are people, animals, or inanimate objects. Options include High Frequency (HF), 0.5W Ultra High Frequency (UHF), or 1.0W UHF.

Additional Companions

- Extended Battery Pack - For long shifts or projects. Never worry about the battery of your KDC or smart device.
- Pistol Grip - Pull the trigger for easy scanning.



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KDC470 - 200715

Hardware Specifications

Physical Characteristics

KDC470 Size (w/o case):
2.56" x 4.13" x 0.62" (65 mm x 105 mm x 15.8 mm)
Weight: 3.07 oz (87g)

KDC475 Size (w/o case):
2.56" x 4.13" x 0.94" (65 mm x 105 mm x 24 mm)
Weight: 3.1 oz (88 g)

Electrical Characteristics

Battery: Lithium-ion (3.7V DC, 1130 mAh)
Charging: via Micro USB connector, Charging Cradle

Interfaces

Bluetooth[®] V2.1+EDR, Class 2, HID/SPP/MFi
Bluetooth[®] Low Energy 4.1: HID (Android/iOS/Windows), SPP (Android/Tizen) for KDC470-BLE/475-BLE
Micro USB/Type-C USB: USB HID, USB Serial (Android with an integrated case)
Lightning: Serial (iOS with an integrated case)

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

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, Windows

Regulatory Conformance

R&TTE, RED, FCC, KC, TELEC, VCCI, SRRC, RoHS Compliant
Laser Safety: IEC60825/CDRH Class II
LED Safety: IEC62471:2006

Scan Range (10mil Code39)

L - Laser: 1.97" to 7.48" (50 mm to 190 mm)
D - CCD: 2.17" to 11.81" (55 mm to 300 mm)
C - Imager: 1.81" to 9.68" (46 mm to 246 mm)
S - Laser (10mil Code128): 1.2" to 19.0" (30 mm to 483 mm)
H - Imager: 1.1" to 13.3" (28 mm to 338 mm)

KDC470 L/D/C Symbolologies

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, Canadian Post, Netherlands (KIX) Post, Australian Post, Japanese Post, Chinese Post, Korean Post
MRZ: Supported

KDC475 S/H Symbolologies

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
Imager (1D): Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, EAN-8, EAN-13, GS1 Composite, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, PosiCode, GS1 Omni, GS1 Limited, GS1 Expanded, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, TCL39, Telepen, Tri-Optic, UPC-A, UPC-E0, UPC-E1
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

Your KDC

Classic Bluetooth Models

KDC470Li, KDC470Di, KDC470Ci

KDC475Si, KDC475Hi

Bluetooth Low Energy Models

KDC470Li-BLE, KDC470Di-BLE, KDC470Ci-BLE

KDC475Si-BLE, KDC475Hi-BLE

KDC470i-BLE (no barcode)

Package Contents

1 x Barcode Sled Scanner
1 x KDC Hand Strap
1 x KDC Micro USB Cable

Compatible Accessories

SmartSled Case for KDC470 Series
SmartSled Custom Case
1-Slot Charging Cradle
4-Slot Charging Cradle
HF, 0.5W UHF, 1.0 W UHF RFID Companions
Extended Battery Pack
Pistol Grip

