

KOAMTAC

KDC1000 Series

Barcode/RFID/mPOS SmartSled®



Experience the Next Generation SmartSled

Introducing the KDC1000 Series SmartSled—an innovative leap forward in SmartSled technology! Its streamlined and modern design is equipped with high-quality components, delivering an exceptional scanning performance. It seamlessly integrates to select Android and iOS devices through a Custom Case, providing a cost-effective and future-ready scanning solution. With features like 1D/2D barcode scanning, IP65 rating, versatile charging, and a range of companions, it delivers an extraordinary scanning experience.

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KDC1000 - 20260827

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Universal Design

The KDC1000 SmartSled is designed to effortlessly connect with a range of compatible Android and iOS devices through its innovative Custom Case solution, enabling barcode scanning functionality on nearly any smart device. When it is time to upgrade to a new host device, a simple Custom Case replacement allows you to keep your current SmartSled solution without investing in a new one, providing you with a truly cost-effective and future-ready scanning solution.

Well-Equipped

The KDC1000 SmartSled features a forward-facing scan engine designed to deliver exceptional scanning performance. Its standard 2D imager makes it an ideal solution for a wide range of scanning tasks, from near to long distance. Ask us about an angled scan engine variant for specialized needs.

Rugged

The KDC1000 has a 5′ drop spec, and is IP65-rated. This means the device is dust tight and water resistant— ideal for any environment.

Powered

The KDC1000 utilizes the display and processing power of the connected smart device, providing accurate information in a form and appearance that is familiar to the user. Furthermore, the SmartSled establishes a seamless physical connection to the host device via USB OTG (for Android and iPhone 15 - 17), Lightning (for iPhone 13 & 14), or Bluetooth 5.0 connectivity. A variety of charging cradles are available for the KDC1000 and can be scaled to large and small operations.

Rich Companion Ecosystem

Leveraging a modular design, the KDC1000 offers users the flexibility to attach a range of companions, augmenting the functionality of the SmartSled. These companions include short and long-range UHF Readers, an HF (NFC) Reader, a 2,000mAh Extended Battery, a Pistol Grip with an optional 6,000mAh Extended Battery, as well as two mPOS options.

Keyboard wedging and configuration features are included in the complementary SDK for Android, Xamarin, Cordova, React Native, Flutter, and Web. Additionally, receive technical support from top engineers and the development team to ensure ease of data collection in any situation.

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Hardware Specifications

Physical Characteristics
Size: 2.95″ x 4.28″ x 0.81″ (75 mm x 108.6 mm x 20.7 mm)

Electrical Characteristics
Charging: USB-C, Charging Cradle via Pogo Pins

Interfaces
USB (Android/iOS), Lightning (iOS)
Bluetooth® Low Energy 5.0: HID (Android/iOS/Windows),
SPP (Optional Secure Mode)
USB Power Delivery v3.0

User Environment
IP Rating KDC1000: IP65
IP Rating KDC1000 w 1.0W UHF Reader: 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

Wedging & Synchronization
Transfer to an application
Keyboard wedge function
Add-on prefixes and suffixes
Barcode option selection

Application Generation
SDK for Android, Xamarin, Cordova, React Native, Flutter, and Web

Regulatory Conformance
R&TTE, RED, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant
Laser Safety : IEC60825-1:2007 & IEC60825-1:2014, Class II

Scan Engine Specs (20mil Code39)
Scan Range (Standard): 1.9" to 29.1" (49 mm to 740 mm)

OS Support
Android, iOS, macOS, Windows

UHF Specs (when equipped with UHF companions)
Supported Standards: EPC Class1 Gen2, EPC Gen2 V2
Nominal Read Range: 20' (6 m) for 1.0W UHF Reader
5' (1.5 m) for 0.5W UHF Reader

Symbologies
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 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/MRZ : OCR-A, OCR-B, MICR E13-B, SEMI

Your SmartSled

Models
KDC1000 ST

Compatible Accessories
0.5W UHF Reader
1.0W UHF Reader
HF/NFC Reader
Extended Battery
Pistol Grip
1/2/5/10-Slot Charging Cradles
Car & Forklift Charging Cradles



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Model Guide for iPhone 17

Please use this Model Guide
to help determine your scanning needs.

Part Number	Product Name	Description
501000	KDC1000-ST-AIP15	KDC1000 ST SmartSled Scanner for iPhone 17e
510490	KDC1000-ST-AIP17	KDC1000 ST SmartSled Scanner for iPhone 17

Model Guide for iPhone 16

Part Number	Product Name	Description
501000	KDC1000-ST-AIP15	KDC1000 ST SmartSled Scanner for iPhone 16e
504510	KDC1000-ST-AIP16	KDC1000 ST SmartSled Scanner for iPhone 16
505510	KDC1000-ST-AIP16P	KDC1000 ST SmartSled Scanner for iPhone 16 Pro
506510	KDC1000-ST-AIP16Plus	KDC1000 ST SmartSled Scanner for iPhone 16 Plus
507510	KDC1000-ST-AIP16PM	KDC1000 ST SmartSled Scanner for iPhone 16 Pro Max

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KDC1000 Series

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Model Guide for iPhone 15

Please use this Model Guide
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Part Number	Product Name	Description
501000	KDC1000-ST-AIP15	KDC1000 ST SmartSled Scanner for iPhone 15
501280	KDC1000-ST-AIP15P	KDC1000 ST SmartSled Scanner for iPhone 15 Pro
501840	KDC1000-ST-AIP15Plus	KDC1000 ST SmartSled Scanner for iPhone 15 Plus
502140	KDC1000-ST-AIP15PM	KDC1000 ST SmartSled Scanner for iPhone 15 Pro Max

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Model Guide for iPhone 14

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Part Number	Product Name	Description
503260	KDC1000-ST-AIP14	KDC1000 ST SmartSled Scanner for iPhone 14
503550	KDC1000-ST-AIP14P	KDC1000 ST SmartSled Scanner for iPhone 14 Pro
503870	KDC1000-ST-AIP14Plus	KDC1000 ST SmartSled Scanner for iPhone 14 Plus
504190	KDC1000-ST-AIP14PM	KDC1000 ST SmartSled Scanner for iPhone 14 Pro Max

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Model Guide for iPhone 13

Please use this Model Guide
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Part Number	Product Name	Description
502420	KDC1000-ST-AIP13	KDC1000 ST SmartSled Scanner for iPhone 13
502700	KDC1000-ST-AIP13P	KDC1000 ST SmartSled Scanner for iPhone 13 Pro
502980	KDC1000-ST-AIP13PM	KDC1000 ST SmartSled Scanner for iPhone 13 Pro Max

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Model Guide for XCover7

Please use this Model Guide
to help determine your scanning needs.

Part Number	Product Name	Description
501560 (Europe Only)	KDC1000-ST-SXC7	KDC1000 ST SmartSled Scanner for Samsung XCover7

Model Guide for Galaxy A Series

Part Number	Product Name	Description
508510	KDC1000-ST-A35	KDC1000 ST SmartSled Scanner for Galaxy A35
508580	KDC1000-ST-A36	KDC1000 ST SmartSled Scanner for Galaxy A36
508600	KDC1000-ST-A56	KDC1000 ST SmartSled Scanner for Galaxy A56

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