

KOAMTAC

KDC1100 Series

Barcode/RFID SmartSled®
for Apple iPhone®



Experience the Next Generation SmartSled

Introducing the KDC1100 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 iPhone models 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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KDC1100APL - 20260827

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Universal Design

The KDC1100 SmartSled is designed to effortlessly connect with a range of compatible iOS devices through its innovative Custom Case solution, enabling barcode scanning functionality on your iPhone. 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 KDC1100 SmartSled features a downward-angled scan engine that delivers exceptional scanning performance. Available with standard, medium, and extended-range 2D imager options, it offers businesses the flexibility to select the perfect scanning solution for both near- and long-distance tasks. Ask us for more information about a flat-angled scan engine variant.

Rugged

The KDC1100 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 KDC1100 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 connection to the host device via USB OTG (for iPhone 15 - 17), Lightning® (for iPhone 13 & 14), or Bluetooth 5.0 connectivity. A variety of charging cradles are available for the KDC1100 and can be scaled to large and small operations.

Rich Companion Ecosystem

Leveraging a modular design, the KDC1100 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, and a Pistol Grip with an optional 6,000mAh Extended Battery.

Keyboard wedging and configuration features are included in the complementary SDK for iOS, 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 1.06″ (75 mm x 108.6 mm x 26.8 mm)

Electrical Characteristics

Battery: Lithium-ion (3.7V DC, 750mAh)
Charging: USB-C, Charging Cradle via Pogo Pins

Interfaces

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

User Environment

IP Rating KDC1100 only: IP65
IP Rating KDC1100 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 iOS, 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)
Scan Range (Professional): 1.38" to 31.5" (35 mm to 800 mm)
Scan Range (MR): 3.3" to 59.0" (85 mm to 1500 mm)
Scan Range (ER): 3.4" to 112.1" (88 mm to 2848 mm)

OS Support

iOS, macOS®

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

KDC1100

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
511000 511050 511100 511150	KDC1100-ST-AIP15 KDC1100-PRO-AIP15 KDC1100-MR-AIP15 KDC1100-ER-AIP15	KDC1100 ST SmartSled Scanner for iPhone 17e KDC1100 PRO SmartSled Scanner for iPhone 17e KDC1100 MR SmartSled Scanner for iPhone 17e KDC1100 ER SmartSled Scanner for iPhone 17e
514840 514880 515010 515140	KDC1100-ST-AIP17 KDC1100-PRO-AIP17 KDC1100-MR-AIP17 KDC1100-ER-AIP17	KDC1100 ST SmartSled Scanner for iPhone 17 KDC1100 PRO SmartSled Scanner for iPhone 17 KDC1100 MR SmartSled Scanner for iPhone 17 KDC1100 ER SmartSled Scanner for iPhone 17

Model Guide for iPhone 16

Part Number	Product Name	Description
511000 511050 511100 511150	KDC1100-ST-AIP15 KDC1100-PRO-AIP15 KDC1100-MR-AIP15 KDC1100-ER-AIP15	KDC1100 ST SmartSled Scanner for iPhone 16e KDC1100 PRO SmartSled Scanner for iPhone 16e KDC1100 MR SmartSled Scanner for iPhone 16e KDC1100 ER SmartSled Scanner for iPhone 16e
513780 514030 514280 514530	KDC1100-ST-AIP16 KDC1100-PRO-AIP16 KDC1100-MR-AIP16 KDC1100-ER-AIP16	KDC1100 ST SmartSled Scanner for iPhone 16 KDC1100 PRO SmartSled Scanner for iPhone 16 KDC1100 MR SmartSled Scanner for iPhone 16 KDC1100 ER SmartSled Scanner for iPhone 16
514780 515030 515280 515530	KDC1100-ST-AIP16P KDC1100-PRO-AIP16P KDC1100-MR-AIP16P KDC1100-ER-AIP16P	KDC1100 ST SmartSled Scanner for iPhone 16 Pro KDC1100 PRO SmartSled Scanner for iPhone 16 Pro KDC1100 MR SmartSled Scanner for iPhone 16 Pro KDC1100 ER SmartSled Scanner for iPhone 16 Pro
515780 516030 516280 516530	KDC1100-ST-AIP16Plus KDC1100-PRO-AIP16Plus KDC1100-MR-AIP16Plus KDC1100-ER-AIP16Plus	KDC1100 ST SmartSled Scanner for iPhone 16 Plus KDC1100 PRO SmartSled Scanner for iPhone 16 Plus KDC1100 MR SmartSled Scanner for iPhone 16 Plus KDC1100 ER SmartSled Scanner for iPhone 16 Plus
516780 517030 517280 517530	KDC1100-ST-AIP16PM KDC1100-PRO-AIP16PM KDC1100-MR-AIP16PM KDC1100-ER-AIP16PM	KDC1100 ST SmartSled Scanner for iPhone 16 Pro Max KDC1100 PRO SmartSled Scanner for iPhone 16 Pro Max KDC1100 MR SmartSled Scanner for iPhone 16 Pro Max KDC1100 ER SmartSled Scanner for iPhone 16 Pro Max

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KDC1100 Series

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Model Guide for iPhone 15

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Part Number	Product Name	Description
511000 511050 511100 511150	KDC1100-ST-AIP15 KDC1100-PRO-AIP15 KDC1100-MR-AIP15 KDC1100-ER-AIP15	KDC1100 ST SmartSled Scanner for iPhone 15 KDC1100 PRO SmartSled Scanner for iPhone 15 KDC1100 MR SmartSled Scanner for iPhone 15 KDC1100 ER SmartSled Scanner for iPhone 15
511200 511250 511300 511350	KDC1100-ST-AIP15P KDC1100-PRO-AIP15P KDC1100-MR-AIP15P KDC1100-ER-AIP15P	KDC1100 ST SmartSled Scanner for iPhone 15 Pro KDC1100 PRO SmartSled Scanner for iPhone 15 Pro KDC1100 MR SmartSled Scanner for iPhone 15 Pro KDC1100 ER SmartSled Scanner for iPhone 15 Pro
511600 511660 511720 511780	KDC1100-ST-AIP15Plus KDC1100-PRO-AIP15Plus KDC1100-MR-AIP15Plus KDC1100-ER-AIP15Plus	KDC1100 ST SmartSled Scanner for iPhone 15 Plus KDC1100 PRO SmartSled Scanner for iPhone 15 Plus KDC1100 MR SmartSled Scanner for iPhone 15 Plus KDC1100 ER SmartSled Scanner for iPhone 15 Plus
511840 511900 511960 512020	KDC1100-ST-AIP15PM KDC1100-PRO-AIP15PM KDC1100-MR-AIP15PM KDC1100-ER-AIP15PM	KDC1100 ST SmartSled Scanner for iPhone 15 Pro Max KDC1100 PRO SmartSled Scanner for iPhone 15 Pro Max KDC1100 MR SmartSled Scanner for iPhone 15 Pro Max KDC1100 ER SmartSled Scanner for iPhone 15 Pro Max

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KDC1100 Series

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Model Guide for iPhone 14

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Part Number	Product Name	Description
512800 512860 512920 512980	KDC1100-ST-AIP14 KDC1100-PRO-AIP14 KDC1100-MR-AIP14 KDC1100-ER-AIP14	KDC1100 ST SmartSled Scanner for iPhone 14 KDC1100 PRO SmartSled Scanner for iPhone 14 KDC1100 MR SmartSled Scanner for iPhone 14 KDC1100 ER SmartSled Scanner for iPhone 14
513040 513100 513160 513220	KDC1100-ST-AIP14P KDC1100-PRO-AIP14P KDC1100-MR-AIP14P KDC1100-ER-AIP14P	KDC1100 ST SmartSled Scanner for iPhone 14 Pro KDC1100 PRO SmartSled Scanner for iPhone 14 Pro KDC1100 MR SmartSled Scanner for iPhone 14 Pro KDC1100 ER SmartSled Scanner for iPhone 14 Pro
513280 513340 513400 513460	KDC1100-ST-AIP14Plus KDC1100-PRO-AIP14Plus KDC1100-MR-AIP14Plus KDC1100-ER-AIP14Plus	KDC1100 ST SmartSled Scanner for iPhone 14 Plus KDC1100 PRO SmartSled Scanner for iPhone 14 Plus KDC1100 MR SmartSled Scanner for iPhone 14 Plus KDC1100 ER SmartSled Scanner for iPhone 14 Plus
513520 513580 513640 513700	KDC1100-ST-AIP14PM KDC1100-PRO-AIP14PM KDC1100-MR-AIP14PM KDC1100-ER-AIP14PM	KDC1100 ST SmartSled Scanner for iPhone 14 Pro Max KDC1100 PRO SmartSled Scanner for iPhone 14 Pro Max KDC1100 MR SmartSled Scanner for iPhone 14 Pro Max KDC1100 ER SmartSled Scanner for iPhone 14 Pro Max

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Model Guide for iPhone 13

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Part Number	Product Name	Description
512080 512140 512200 512260	KDC1100-ST-AIP13 KDC1100-PRO-AIP13 KDC1100-MR-AIP13 KDC1100-ER-AIP13	KDC1100 ST SmartSled Scanner for iPhone 13 KDC1100 PRO SmartSled Scanner for iPhone 13 KDC1100 MR SmartSled Scanner for iPhone 13 KDC1100 ER SmartSled Scanner for iPhone 13
512320 512380 512440 512500	KDC1100-ST-AIP13P KDC1100-PRO-AIP13P KDC1100-MR-AIP13P KDC1100-ER-AIP13P	KDC1100 ST SmartSled Scanner for iPhone 13 Pro KDC1100 PRO SmartSled Scanner for iPhone 13 Pro KDC1100 MR SmartSled Scanner for iPhone 13 Pro KDC1100 ER SmartSled Scanner for iPhone 13 Pro
512560 512620 512680 512740	KDC1100-ST-AIP13PM KDC1100-PRO-AIP13PM KDC1100-MR-AIP13PM KDC1100-ER-AIP13PM	KDC1100 ST SmartSled Scanner for iPhone 13 Pro Max KDC1100 PRO SmartSled Scanner for iPhone 13 Pro Max KDC1100 MR SmartSled Scanner for iPhone 13 Pro Max KDC1100 ER SmartSled Scanner for iPhone 13 Pro Max

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