

KOAMTAC

KDC1200 Series

Barcode & 0.5W UHF SmartSled®



The Pinnacle of SmartSled Technology

Introducing the KDC1200 Series SmartSled—rugged, slim, and built for performance. Built to endure tough conditions with a 5-foot drop spec and long-range 1D/2D scanning capabilities, it's designed for reliable performance. The redesigned Custom Case ensures better protection and a secure device fit, while Bluetooth 5.0, USB OTG, and a replaceable 1,100mAh battery offer seamless operation. Enhanced by optional NFC and versatile charging cradles, the KDC1200 sets a new standard in mobile scanning solutions.

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KDC1200 APPL - 20260925

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Precision at Any Range

The KDC1200 SmartSled features a forward-facing scan engine that delivers exceptional scanning performance. With standard, medium, and extended-range 2D imager options, businesses can choose the ideal solution for tasks requiring both near and long-distance scanning.

Streamlined UHF Functionality

Enhancing its functionality beyond its SmartSled predecessors, the KDC1200 now includes an embedded 0.5W UHF reader, enabling seamless and efficient RFID tag reading for applications such as inventory management, asset tracking, and supply chain operations. The KDC1200 optionally features an extended NFC antenna that enhances the phone's built-in NFC signal. This combination of advanced scanning, UHF, and NFC capabilities ensures the KDC1200 meets the diverse needs of modern businesses.

Redesigned Custom Case

The KDC1200 SmartSled features an upgraded Custom Case system with a durable two-piece design that features a security screw for added protection and stability. This case system allows seamless integration with all iPhone® models from iPhone 13 to iPhone 16, including Pro, Pro Max, and Plus, enhancing your smartphone with barcode scanning and short range UHF capabilities. Upgrading to a new host device is simple—just replace the Custom Case to keep your current SmartSled, offering a cost-effective and future-ready scanning solution.

Advanced Connectivity Options

The KDC1200 establishes a seamless physical connection to the host device via USB OTG or Bluetooth 5.0 connectivity. A variety of charging cradles are available for the KDC1200 and can be scaled to large and small operations.

Reliable Device Charging

The KDC1200 Charging Cradles offer 15W fast charging and are available in 1-slot and 5-slot configurations. Devices charge securely via pogo pins, reducing wear on ports, and the versatile spacer system allows for easy updates to new host devices without replacing the entire cradle, minimizing electronic and plastic waste. Cradles simultaneously charge the replaceable and rechargeable 1,100mAh battery inside the KDC1200 as well also the attached smart device.

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

KDC1200 Only: 3.19" x 4.67" x 0.64" (81 mm x 118.5 mm x 16.2 mm)
w/ A35 Case: 3.40" x 7.26" x 1.16" (86.4 mm x 184.4 mm x 29.5 mm)

Electrical Characteristics

Charging: USB-C, Charging Cradle via Pogo Pins
Battery: 3.7V DC, 1100mAh Lithium-Ion

Interfaces

USB OTG (iOS)
Bluetooth® Low Energy 5.0: HID, SPP
USB Power Delivery v3.0 (USB-C, Max: 20W)

User Environment

IP 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

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®, Android, Windows

0.5W UHF Specs

Supported Standards: EPC Class1 Gen2, EPC Gen2 V2
Nominal Read Range: 5' (1.5 m) *dependent on tag type and operating environment*
Frequency: US, EU, JP, KR
Output Power Range: +18 to +27 dBm
Read Rate: 100 tags per second
Stores: 409,600 RFID tags (EPC Data)

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

KDC1200-ST, KDC1200-PRO,
KDC1200MR, KDC1200ER

Compatible Accessories

1/5-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
521460 521470 521480 521490	KDC1200-ST-AIP15 KDC1200-PRO-AIP15 KDC1200-MR-AIP15 KDC1200-ER-AIP15	KDC1200 ST SmartSled Scanner for iPhone 17e KDC1200 PRO SmartSled Scanner for iPhone 17e KDC1200 MR SmartSled Scanner for iPhone 17e KDC1200 ER SmartSled Scanner for iPhone 17e
523711 523721 523731 523741	KDC1200-ST-AIP17 KDC1200-PRO-AIP17 KDC1200-MR-AIP17 KDC1200-ER-AIP17	KDC1200 ST SmartSled Scanner for iPhone 17 KDC1200 PRO SmartSled Scanner for iPhone 17 KDC1200 MR SmartSled Scanner for iPhone 17 KDC1200 ER SmartSled Scanner for iPhone 17

Model Guide for iPhone 16

Part Number	Product Name	Description
521460 521470 521480 521490	KDC1200-ST-AIP15 KDC1200-PRO-AIP15 KDC1200-MR-AIP15 KDC1200-ER-AIP15	KDC1200 ST SmartSled Scanner for iPhone 16e KDC1200 PRO SmartSled Scanner for iPhone 16e KDC1200 MR SmartSled Scanner for iPhone 16e KDC1200 ER SmartSled Scanner for iPhone 16e
521660 521670 521680 521690	KDC1200-ST-AIP16 KDC1200-PRO-AIP16 KDC1200-MR-AIP16 KDC1200-ER-AIP16	KDC1200 ST SmartSled Scanner for iPhone 16 KDC1200 PRO SmartSled Scanner for iPhone 16 KDC1200 MR SmartSled Scanner for iPhone 16 KDC1200 ER SmartSled Scanner for iPhone 16
521710 521720 521730 521740	KDC1200-ST-AIP16P KDC1200-PRO-AIP16P KDC1200-MR-AIP16P KDC1200-ER-AIP16P	KDC1200 ST SmartSled Scanner for iPhone 16 Pro KDC1200 PRO SmartSled Scanner for iPhone 16 Pro KDC1200 MR SmartSled Scanner for iPhone 16 Pro KDC1200 ER SmartSled Scanner for iPhone 16 Pro
521760 521770 521780 521790	KDC1200-ST-AIP16Plus KDC1200-PRO-AIP16Plus KDC1200-MR-AIP16Plus KDC1200-ER-AIP16Plus	KDC1200 ST SmartSled Scanner for iPhone 16 Plus KDC1200 PRO SmartSled Scanner for iPhone 16 Plus KDC1200 MR SmartSled Scanner for iPhone 16 Plus KDC1200 ER SmartSled Scanner for iPhone 16 Plus
521810 521820 521830 521840	KDC1200-ST-AIP16PM KDC1200-PRO-AIP16PM KDC1200-MR-AIP16PM KDC1200-ER-AIP16PM	KDC1200 ST SmartSled Scanner for iPhone 16 Pro Max KDC1200 PRO SmartSled Scanner for iPhone 16 Pro Max KDC1200 MR SmartSled Scanner for iPhone 16 Pro Max KDC1200 ER SmartSled Scanner for iPhone 16 Pro Max

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Model Guide for iPhone 15

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Part Number	Product Name	Description
521460 521470 521480 521490	KDC1200-ST-AIP15 KDC1200-PRO-AIP15 KDC1200-MR-AIP15 KDC1200-ER-AIP15	KDC1200 ST SmartSled Scanner for iPhone 15 KDC1200 PRO SmartSled Scanner for iPhone 15 KDC1200 MR SmartSled Scanner for iPhone 15 KDC1200 ER SmartSled Scanner for iPhone 15
521510 521520 521530 521540	KDC1200-ST-AIP15P KDC1200-PRO-AIP15P KDC1200-MR-AIP15P KDC1200-ER-AIP15P	KDC1200 ST SmartSled Scanner for iPhone 15 Pro KDC1200 PRO SmartSled Scanner for iPhone 15 Pro KDC1200 MR SmartSled Scanner for iPhone 15 Pro KDC1200 ER SmartSled Scanner for iPhone 15 Pro
521560 521570 521580 521590	KDC1200-ST-AIP15Plus KDC1200-PRO-AIP15Plus KDC1200-MR-AIP15Plus KDC1200-ER-AIP15Plus	KDC1200 ST SmartSled Scanner for iPhone 15 Plus KDC1200 PRO SmartSled Scanner for iPhone 15 Plus KDC1200 MR SmartSled Scanner for iPhone 15 Plus KDC1200 ER SmartSled Scanner for iPhone 15 Plus
521610 521620 521630 521640	KDC1200-ST-AIP15PM KDC1200-PRO-AIP15PM KDC1200-MR-AIP15PM KDC1200-ER-AIP15PM	KDC1200 ST SmartSled Scanner for iPhone 15 Pro Max KDC1200 PRO SmartSled Scanner for iPhone 15 Pro Max KDC1200 MR SmartSled Scanner for iPhone 15 Pro Max KDC1200 ER SmartSled Scanner for iPhone 15 Pro Max

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Model Guide for iPhone 14

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

Part Number	Product Name	Description
521260 521270 521280 521290	KDC1200-ST-AIP14 KDC1200-PRO-AIP14 KDC1200-MR-AIP14 KDC1200-ER-AIP14	KDC1200 ST SmartSled Scanner for iPhone 14 KDC1200 PRO SmartSled Scanner for iPhone 14 KDC1200 MR SmartSled Scanner for iPhone 14 KDC1200 ER SmartSled Scanner for iPhone 14
521310 521320 521330 521340	KDC1200-ST-AIP14P KDC1200-PRO-AIP14P KDC1200-MR-AIP14P KDC1200-ER-AIP14P	KDC1200 ST SmartSled Scanner for iPhone 14 Pro KDC1200 PRO SmartSled Scanner for iPhone 14 Pro KDC1200 MR SmartSled Scanner for iPhone 14 Pro KDC1200 ER SmartSled Scanner for iPhone 14 Pro
521360 521370 521380 521390	KDC1200-ST-AIP14Plus KDC1200-PRO-AIP14Plus KDC1200-MR-AIP14Plus KDC1200-ER-AIP14Plus	KDC1200 ST SmartSled Scanner for iPhone 14 Plus KDC1200 PRO SmartSled Scanner for iPhone 14 Plus KDC1200 MR SmartSled Scanner for iPhone 14 Plus KDC1200 ER SmartSled Scanner for iPhone 14 Plus
521410 521420 521430 521440	KDC1200-ST-AIP14PM KDC1200-PRO-AIP14PM KDC1200-MR-AIP14PM KDC1200-ER-AIP14PM	KDC1200 ST SmartSled Scanner for iPhone 14 Pro Max KDC1200 PRO SmartSled Scanner for iPhone 14 Pro Max KDC1200 MR SmartSled Scanner for iPhone 14 Pro Max KDC1200 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
521110 521120 521130 521140	KDC1200-ST-AIP13 KDC1200-PRO-AIP13 KDC1200-MR-AIP13 KDC1200-ER-AIP13	KDC1200 ST SmartSled Scanner for iPhone 13 KDC1200 PRO SmartSled Scanner for iPhone 13 KDC1200 MR SmartSled Scanner for iPhone 13 KDC1200 ER SmartSled Scanner for iPhone 13
521160 521170 521180 521190	KDC1200-ST-AIP13P KDC1200-PRO-AIP13P KDC1200-MR-AIP13P KDC1200-ER-AIP13P	KDC1200 ST SmartSled Scanner for iPhone 13 Pro KDC1200 PRO SmartSled Scanner for iPhone 13 Pro KDC1200 MR SmartSled Scanner for iPhone 13 Pro KDC1200 ER SmartSled Scanner for iPhone 13 Pro
521210 521220 521230 521240	KDC1200-ST-AIP13PM KDC1200-PRO-AIP13PM KDC1200-MR-AIP13PM KDC1200-ER-AIP13PM	KDC1200 ST SmartSled Scanner for iPhone 13 Pro Max KDC1200 PRO SmartSled Scanner for iPhone 13 Pro Max KDC1200 MR SmartSled Scanner for iPhone 13 Pro Max KDC1200 ER SmartSled Scanner for iPhone 13 Pro Max

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