

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 AND - 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 innovative system allows seamless integration with select Android devices, 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 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

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 (Android/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 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)
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

Android, iOS, macOS, 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 Galaxy A Series

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

Part Number	Product Name	Description
521012	KDC1200-ST-A35	KDC1200 ST SmartSled Scanner for Galaxy A35
521022	KDC1200-PRO-A35	KDC1200 PRO SmartSled Scanner for Galaxy A35
521032	KDC1200-MR-A35	KDC1200 MR SmartSled Scanner for Galaxy A35
521042	KDC1200-ER-A35	KDC1200 ER SmartSled Scanner for Galaxy A35
522830	KDC1200-ST-A36	KDC1200 ST SmartSled Scanner for Galaxy A36
522870	KDC1200-PRO-A36	KDC1200 PRO SmartSled Scanner for Galaxy A36
522910	KDC1200-MR-A36	KDC1200 MR SmartSled Scanner for Galaxy A36
522950	KDC1200-ER-A36	KDC1200 ER SmartSled Scanner for Galaxy A36
523080	KDC1200-ST-A56	KDC1200 ST SmartSled Scanner for Galaxy A56
523130	KDC1200-PRO-A56	KDC1200 PRO SmartSled Scanner for Galaxy A56
523180	KDC1200-MR-A56	KDC1200 MR SmartSled Scanner for Galaxy A56
523230	KDC1200-ER-A56	KDC1200 ER SmartSled Scanner for Galaxy A56

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Model Guide for XCover7

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

Part Number	Product Name	Description
521870	KDC1200-ST-SXC7	KDC1200 ST SmartSled Scanner for Samsung XCover7
521880	KDC1200-PRO-SXC7	KDC1200 PRO SmartSled Scanner for Samsung XCover7
521890	KDC1200-MR-SXC7	KDC1200 MR SmartSled Scanner for Samsung XCover7
521900	KDC1200-ER-SXC7	KDC1200 ER SmartSled Scanner for Samsung XCover7

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