

KDC1100 Series

Barcode/RFID/mPOS SmartSled®
for Samsung Galaxy XCover7 & A Series



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 with the Galaxy XCover7 and select A series models, 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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KDC1100SAM - 20260827

KOAMTAC

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Barcode/RFID SmartSled®



Universal Design

The KDC1100 SmartSled is designed to effortlessly connect to the Samsung Galaxy XCover7 or A35/36/56 through its innovative Custom Case solution, enabling barcode scanning functionality on your 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 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 physical connection to the host device via USB OTG with optional 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 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 1.06" (75 mm x 108.6 mm x 26.8 mm)

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

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

User Environment
IP Rating KDC1100: 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 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

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

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

Part Number	Product Name	Description
511400 511450 511500 511550	KDC1100-ST-SXC7 KDC1100-PRO-SXC7 KDC1100-MR-SXC7 KDC1100-ER-SXC7	KDC1100 ST SmartSled Scanner for XCover7 KDC1100 PRO SmartSled Scanner for XCover7 KDC1100 MR SmartSled Scanner for XCover7 KDC1100 ER SmartSled Scanner for XCover7
517780 518030 518280 518530	KDC1100-ST-A35 KDC1100-PRO-A35 KDC1100-MR-A35 KDC1100-ER-A35	KDC1100 ST SmartSled Scanner for Galaxy A35 KDC1100 PRO SmartSled Scanner for Galaxy A35 KDC1100 MR SmartSled Scanner for Galaxy A35 KDC1100 ER SmartSled Scanner for Galaxy A35
519800 519810 519820 519830	KDC1100-ST-A36 KDC1100-PRO-A36 KDC1100-MR-A36 KDC1100-ER-A36	KDC1100 ST SmartSled Scanner for Galaxy A36 KDC1100 PRO SmartSled Scanner for Galaxy A36 KDC1100 MR SmartSled Scanner for Galaxy A36 KDC1100 ER SmartSled Scanner for Galaxy A36
510500 510510 510520 510530	KDC1100-ST-A56 KDC1100-PRO-A56 KDC1100-MR-A56 KDC1100-ER-A56	KDC1100 ST SmartSled Scanner for Galaxy A56 KDC1100 PRO SmartSled Scanner for Galaxy A56 KDC1100 MR SmartSled Scanner for Galaxy A56 KDC1100 ER SmartSled Scanner for Galaxy A56

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