



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.



KDC1000 Series

Barcode/RFID/mPOS SmartSled®



Universal Design

The KDC1000/1100 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 next-gen SmartSled provides two scanning orientations. The standard KDC1000 offers forward-facing scanning for standard tasks, while the KDC1100 has a downward-angled scan engine for specialized needs. Both models are available with standard, medium, and extended-range 2D imager scan engines. This allows businesses the flexibility to choose the ideal scanning option for their specific requirements, whether it involves near- or long-distance scanning tasks.

Rugged

The KDC1000/1100 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 KDC1000/1100 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), Lightning (for iPhone 13 & 14), or Bluetooth 5.0 connectivity. A variety of charging cradles, are available for the KDC1000/1000 and can be scaled to large and small operations.

Rich Companion Ecosystem

Leveraging a modular design, the KDC1000/1100 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.



KDC1000 Series

Barcode/RFID/mPOS SmartSled®



Hardware Specifications

Physical Characteristics

Size (KDC1000): 2.95" x 4.28" x 0.81"
(75 mm x 108.6 mm x 20.7 mm)

Size (KDC1100): 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

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): 1.7" to 31.5" (44 mm to 800 mm)
Scan Range (MR): 3.3" to 59.0" (85 mm to 1500 mm)
Scan Range (ER): 3.4" to 104.1" (88 mm to 2848 mm)

Your SmartSled

Models

KDC1000, KDC1100

Compatible Accessories

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



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 KDC1000/1100: IP65
IP Rating KDC1000/1100 w 1.0W UHF Reader: IP54
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)

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



100 Village Blvd, Suite 300, Princeton, NJ 08540 USA
T: +1-609-256-4700 F: +1-609-228-4373
info@koamtac.com www.koamtac.com

© 2024 KOAMTAC, Inc.
KPCC/KBCC - 20240327