



Magnetic Universal Adaptor

for KDC1200 SmartSled



Instant Magnetic Connection

The Magnetic Universal Adaptor (MUA) adds KDC SmartSled barcode scanning and RFID to compatible smartphones through fast, magnetic attachment, no Custom Case or permanent modification required. Quick to install and remove, it's ideal for shared devices and flexible use.



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Tool-Free, Magnetic Installation

The Magnetic Universal Adaptor (MUA) securely mounts to compatible phone cases or directly to supported smartphones—no drilling or screws required. This enables KDC1200 SmartSled scanners to be rapidly deployed and quickly swapped between devices, minimizing downtime and maximizing operational efficiency.

As smartphones are upgraded, the SmartSled and MUA seamlessly transfer to new devices, protecting your investment while delivering a cost-effective and future-ready scanning strategy.

All-in-One Barcode and RFID Solution

The KDC1200 combines barcode scanning and RFID reading in a single handheld device. Featuring an integrated 0.5W UHF reader for medium-range RFID tracking, ideal for inventory management, asset tracking, and supply chain operations. The KDC1200 is available with a variety of 2D imager options to suit diverse scanning applications. An optional NFC antenna enhances the phone's built-in NFC signal for added versatility. The MUA provides the secure magnetic mount, enabling quick attachment and removal as operational needs demand.

Fast Pairing and Fleet-Ready Charging

Pairing is fast and straightforward. The MUA features a BLE pairing QR code printed prominently on the adaptor that simplifies the Bluetooth® process between the KDC1200 and smartphone. Just scan the code, then attach the MUA magnetically to the phone. Select smartphone models support NFC tap-to-pair for added convenience. Compatible with KOAMTAC SmartSled charging cradles, the MUA enables docking and charging while remaining attached to the phone.



Hardware Specifications

Physical Characteristics (SmartSled + FMUA)

Size: 3.19" × 4.67" × 0.88" (81 mm x 119 mm x 23 mm)
Weight: 5.80 oz (164.5 g)

Interfaces

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

User Environment

IP Rating: 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)

Electrical Characteristics

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

Performance

Wedging & Synchronization

Transfer to an application
Keyboard wedge function
Add-on prefixes and suffixes
Barcode option selection

Application Generation

SDK for Android, iOS, Xamarin, Cordova, React Native, Flutter, and Web

Regulatory Conformance

RED, RoHS Compliant

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 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: EU
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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Flat Magnetic Universal Adaptor + SmartSled Bundles

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

Part Number	Product Name	Description
523410	KDC1200-FMUA-US	KDC1200 No Barcode SmartSled with FMUA for US
523460	KDC1200-ST-FMUA-US	KDC1200 ST Barcode SmartSled with FMUA for US
523510	KDC1200-PRO-FMUA-US	KDC1200 PRO Barcode SmartSled with FMUA for US
523560	KDC1200-MR-FMUA-US	KDC1200 MR Barcode SmartSled with FMUA for US
523610	KDC1200-ER-FMUA-US	KDC1200 ER Barcode SmartSled with FMUA for US
523780	KDC1200-XR-FMUA-US	KDC1200 XR Barcode SmartSled with FMUA for US

U.S. models shown. For regional part numbers, availability, and specifications, please visit koamtac.com.

