



KDC480 & KDC485

Barcode/RFID/mPOS SmartSled®



Unrivalled Modular Performance

Whether you require barcode or RFID tag reading, this is the KDC for you. The KDC480 and KDC485 SmartSled scanners are rugged devices with an IP65 rating and are built to last. Designed to handle any data collection task swiftly and accurately, these devices offer companion modules tailored to your needs. Keep productivity uninterrupted with our innovative charging cases, ensuring you never miss a moment of efficiency.



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Attach to Any Smartphone or Tablet

The KDC480 and KDC485 SmartSled scanners seamlessly attach to any smart device using a custom case, creating a versatile sled scanning solution. This innovative modular design ensures you can upgrade your smart device without replacing the entire scanning solution, safeguarding your investment in the KDC against advancements in smartphone and tablet technology.

Well-Equipped

At their core, the KDC480/485 are versatile barcode scanners, available in multiple models: 1D Laser, 1D CCD, and 2D Imager, ensuring compatibility across various barcode types used in any industry. The KDC480 has a forward-facing scan engine, while the KDC485 features downward angled scan engines for comfortable, level scanning of lower-positioned barcodes. Additionally, KDC485 models are available for three different read ranges: standard range (KDC485H), medium range (KDC485MR), and extended range (KDC485ER), providing businesses flexibility for close-up or distant scanning needs.

Rugged

The KDC480/485 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 KDC480/485 utilizes the display 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 wireless connection to the host device via Bluetooth Low Energy 5.0, with optional accessories for USB OTG connectivity if desired. A variety of charging cradles, are available for the KDC480/485 and can be scaled to large and small operations.

Rich Companion Ecosystem

With a modular architecture, the KDC480/485 facilitates the attachment of multiple accessories, expanding the functionality of your 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, iOS, macOS, Windows, 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 (KDC480): 2.56" x 4.13" x 0.62" (65 mm x 105 mm x 15.8 mm)

Size (KDC485): 2.56" x 4.13" x 0.94" (65 mm x 105 mm x 24 mm)

Weight (KDC480): 3.07 oz (87g)

Weight (KDC485): 3.1 oz (88 g)

Interfaces

Bluetooth® Low Energy 5.0: HID (Android/iOS/Windows), SPP (Optional Secure Mode)

USB: USB HID, USB Serial (Android with an integrated case)

Lightning: Serial (iOS with an integrated case)

Performance

Functionality

Memory Flash: 8MB User Data

Can store more than 400,000 barcodes (EAN-13)

Wedging & Synchronization

Keyboard wedge function

Add-on prefixes and suffixes

Barcode option selection

Application Generation

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

OS Support

Android, iOS, macOS, Windows

Scan Range (20mil Code39)

L - Laser: 1.97" to 18.11" (50 mm to 460 mm)

D - CCD: 1.97" to 18.11" (50 mm to 460 mm)

C - Imager: 2.36" to 18.35" (60 mm to 466 mm)

S - Laser: 1.40" to 52.00" (35 mm to 1320 mm)

H - Imager: 1.73" to 31.5" (44 mm to 800 mm)

MR - Imager: 3.3" to 59.0" (85 mm to 1500 mm)

ER - Imager: 3.4" to 112.1" (88 mm to 2848 mm)

Your SmartSled

Models

KDC480L 1D Laser

KDC480D 1D CCD

KDC480C 2D Imager

KDC485S 1D Laser

KDC485H 2D Imager

KDC485MR Medium Range 2D Imager

KDC485ER Extended Range 2D Imager

KDC480 (no barcode)

Compatible Accessories

0.5W UHF Reader

1.0W UHF Reader

HF/NFC Reader

Extended Battery

Pistol Grip

SLED-MSRIC

SLED-mPOS

1/4-Slot Charging Cradles

1/5-Slot Pistol Grip Cradles

Electrical Characteristics

Battery: Lithium-ion (3.7V DC, 1100mAh)

Charging: USB-C, Charging Cradle via Pogo Pins

User Environment

IP Rating SmartSled: IP65

IP Rating SmartSled 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)

Regulatory Conformance

R&TTE, RED, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant

Laser Safety: IEC60825/CDRH Class II

LED Safety: IEC62471:2006

Symbologies

KDC480 Symbologies

Laser/CCD (1D): EAN-13, EAN-8, UPC-A, UPC-E, Code 39, ITF14, Code 128, Interleaved 2 of 5, Codabar, GS1-128, Code 93, Code 35, Bookland EAN-13, EAN-13/8 incl. add on, UPC-A/E incl. add on, GS1 Omni, GS1 Limited, GS1 Expanded

Imager (1D): Codabar, Code 11, Code 39, Code 93, Code 128, EAN-8, EAN-13, GS1 Composite, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, GS1 Omni, GS1 Limited, GS1 Expanded, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Telepen, Tri-Optic, UPC-A, UPC-E0, UPC-E1

Imager (2D): Aztec Code, Aztec Runes, Codablock F, Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code

Postal Codes: POSTNET, Planet Code, British Post, Canadian Post, Netherlands (KIX) Post, Australian Post, Japanese Post, Chinese Post, Korean Post

MRZ:Supported

KDC485 Symbologies

Laser (1D): EAN-13, EAN-8, UPC-A, UPC-E, Code 39, ITF14, Code 128, Interleaved 2 of 5, Codabar, GS1-128, Code 93, Code 35, Bookland EAN-13, EAN-13/8 incl. add on, UPC-A/E incl. add on, GS1 Omni, GS1 Limited, GS1 Expanded

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



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KDC480/485 - 20240624

