KOΛMTΛC▸ KDC®480 & KDC®485
Barcode/RFID/mPOS SmartSled

▸ Our Most Modular Product Yet ▸

Whether you need to read barcodes or RFID tags this is the KDC for you. The KDC480 and KDC485 are rugged devices with an IP65 rating and are built to last. No matter what type of data you need to collect or how you need to collect it, there is a companion module to get the job done quickly and accurately. Charge your device with our unique charging cases and never miss a minute of productivity.

Attach to ANY Smartphone or Tablet

The KDC480 and KDC485 can be attached to any smart device via a custom case to create a sled scanning solution. This unique modular design allows you to upgrade your smart device without worrying about replacing the entire scanning solution. Your investment in a KDC is protected regardless of upgrades in smartphone and tablet technology.

Barcode Reading

At their base, the KDC480 and KDC485 are superior barcode scanners and are available in various models: 1D Laser, 1D CCD, and 2D Imager, so you can read a variety of barcodes in any industry. The KDC485 offers downward angled scan engines, allowing you to hold your device at level while scanning barcodes at a lower height. Additionally, KDC485 models are available for three different read ranges: standard range (KDC485H), medium range (KDC485MR), and extended range (KDC485ER) This provides businesses with the flexibility to choose the best option for their scanning needs, whether it's scanning up close or from a distance. The KDC connects via Bluetooth Low Energy (BLE) for easy pairing and reliable data transfers.

RFID Companions

The RFID companions attach directly to your KDC creating a contactless radio frequency identification reader. The interface can be utilized for asset management and tracking whether those assets are people, animals, or inanimate objects. Options include High Frequency (HF), 0.5W Ultra High Frequency (UHF), or 1.0W UHF.

Additional Companions

▸ Extended Battery Pack - For long shifts or projects. Never worry about the battery of your KDC or smart device.
▸ Pistol Grip - Pull the trigger for easy scanning.
▸ SLED-MSRIC and SLED-mPOS - Add MSR and IC card reading or mPOS payment card capabilities.

Hardware Specifications

Physical Characteristics

KDC480 Size (w/o case):
2.56" x 4.13" x 0.62" (65 mm x 105 mm x 15.8 mm)
Weight: 3.07 oz (87g)

KDC485 Size (w/o case):
2.56" x 4.13" x 0.94" (65 mm x 105 mm x 24 mm)
Weight: 3.1 oz (88 g)

Electrical Characteristics

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

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)

User Environment

Ingress Protection 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

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 PC and smartphone application

OS Support

Android, iOS, Mac OS X, Windows

Regulatory Conformance

R&TTE, RED, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant
Laser Safety: IEC60825/CDRH Class II
LED Safety: IEC62471:2006

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 104.1" (88 mm to 2848 mm)

KDC480 L/D/C 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 S/H 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 16K, 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
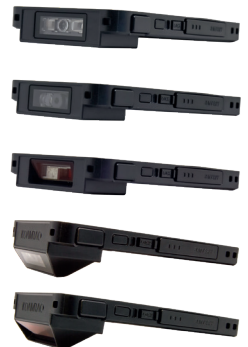
Your KDC

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)

Package Contents

1 x Barcode Sled Scanner
1 x KDC Hand Strap
1 x KDC USB Cable

Compatible Accessories

SmartSled Case for KDC480 Series
SmartSled Custom Case
1-Slot Charging Cradle
4-Slot Charging Cradle
1-Slot Pistol Grip/1W UHF Charging Cradle
5-Slot Pistol Grip/1W UHF Charging Cradle
HF, 0.5W UHF, 1.0 W UHF RFID Companions
Pistol Grip w/ optional 6000mAh battery
Extended Battery (2000mAh)
SLED-MSRIC Reader
SLED-mPOS Reader

CAUTION
LASER RADIATION—
DO NOT STARE INTO BEAM
<1 MILLIWATT LASER DIODE
IEC60825–1 CLASS II LASER PRODUCT