KOAMTAC



KDC®380

1D & 2D Wireless
Barcode Scanner and Data Collector



Optimized Workflow with Integrated Keypad

This wireless scanner is the culmination of decades of engineering and human-centered design experience focused on maximizing efficiency and minimizing costs of auto-identification in any industry.

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KDC380 - 20260729



KDC380

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Designed

A barcode and data collector that is small enough to fit in your pocket and light enough to wear on a lanyard around your neck for a full day without strain. The 1" OLED display and 19-key keypad make interacting with your device easier than ever; no need to decode flashing colored lights to determine if your data was collected - you can view it right on the screen!

Versatile

The KDC380 comes in 1D CCD, 1D Laser, and 2D Imager models, capable of reading all major symbologies. Additionally, 2D models are available in three read ranges: standard (KDC380C), medium (KDC380MR), and extended (KDC380ER), offering businesses flexibility for various scanning distances. With 5MB of on-board memory, it stores up to 256,000 barcodes and supports basic applications directly on the device.

Rugged

The KDC380 is IP65 rated and has a 5' drop spec. This means the device is dust tight and water resistant; it's ideal for any environment.

Powered

KDC380 Charging Cradles offer reliable charging options for your scanners. Choose between a 1-slot charging cradle for individual scanner charging or a 4-slot charging cradle to charge multiple scanners simultaneously. Simply dock your KDC380 into the Charging Cradle, ensuring a snug fit with the bumper, and the pogo pins will efficiently charge your scanners. These cradles reduce clutter and help protect the device's USB port from potential damage.

Connected

The KDC380 features Bluetooth Low Energy 5.0 to enable faster and simpler connection methods for use with smart devices. Additional options include Wi-Fi connectivity and NFC for data transfer.

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: 1.69″ x 3.7″ x 0.94″ (43 mm x 94 mm x 24 mm)
Weight: 3.0 oz (85 g)

Electrical Characteristics

Battery: Lithium-Ion (3.7V DC, 1100 mAh) hard-pack
Charging: USB, Charging Cradle

Operation Time (1 scan every 10 seconds)

KDC380L: Over 7 and a half days
KDC380D: Over 5 and a half days
KDC380C: Over 3 and a half days
KDC380MR: Over 1 and a half days
KDC380ER: Almost 1 and a half days

Interfaces

Bluetooth Low Energy 5.0: HID (Android/iOS/Windows), SPP (Optional Secure Mode)
USB: Flash Memory (Windows), USB HID, USB Serial (Android with OTG cable / Windows)

User Environment

IP Rating: IP65
Drop Spec: 5 feet (1.5m)
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: Program 1MB / User Data 5MB
Memory RAM: 256KB
Can store up to 256,000 barcodes (EAN-13)

Wedging & Synchronization

Store to a file or 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
Database Lookup and Inventory Management features

Regulatory Conformance

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

OS Support

Android, iOS, macOS, Windows

Scan Engine Specs (20mil Code39)

L - Laser: 1.57″ to 25.59″ (40 mm to 650 mm)
D - CCD: 2.36″ to 18.11″ (60 mm to 460 mm)
C - Imager: 1.38″ to 31.5″ (35 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)

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 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
OC/MRZ: OCR-A, OCR-B, OCR US Currency, OCR MICR, OCR Semi, OCR ISBN, OCR Passport.

Other Features

NFC (Optional)

ISO/IEC 14443 A/B, ISO/IEC 15693, FeliCa, MIFARE (1K/4K/Ultralight/UltralightC/DESFire)

WiFi (Optional)

Compliance: 2.4GHz IEEE 802.11b/g/n
Support: 802.11g/n OFDM with BPSK, QPSK, 16-QAM, 64-QAM and 802.11b with BPSK, QPSK, CCK

Special Features

NFC Pairing
Social Distance Solution

Your KDC

Models

KDC380L, KDC380LN, KDC380LF, KDC380LN
KDC380D, KDC380DN, KDC380DF, KDC380DNF
KDC380C, KDC380CN, KDC380CF, KDC380CNF
KDC380MR(medium range), KDC380ER (extended range)
*L=1D Laser, D=1D CCD, C=2D Imager; N=NFC, F=WiFi

Compatible Accessories

1-Slot Charging Cradle
4-Slot Charging Cradle
KDC380 Protective Boot
KBLED50 Dongle



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