KOAMTAC

KDC®380 Series
1D & 2D Wireless
Barcode Scanner and Data Collector

Rugged ▶ Powered ▶ Designed ▶ Connected ▶ Equipped ▶

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.

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

When power does run out, charging is easy with a USB-C connector or charging cradle for a single or multiple device(s).

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!

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.

Equipped

Coming in 1D CDD, 1D Laser and 2D Imager models, the KDC380 is able to read all major symbologies. 8MB of on-board memory stores over 400,000 barcodes and allows basic applications to run right on the device.

All KDC products come with KTSync software with keyboard wedging, application generation, database lookup, inventory management, and KDC configuration features for Android, iOS and Windows devices. Complementary SDK and technical support from top engineers and the development team ensure ease of data collection in any situation.

KDC®380 Series
1D & 2D Wireless
Barcode Scanner & Data Collector

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) hardpack
Charging: USB Type-C, Charging Cradle

Performance

Functionality
Memory Flash ROM: 512 KB Program, 8MB User Data
Memory RAM: 64KB

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 PC and smartphone application
Application generation tool
Database Lookup and Inventory Management features

OS Support
Android, iOS, Mac OS X, Windows

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

Scan Range (20mil Code39)
L - Laser: 1.40" to 52.00" (35 mm to 1320 mm)
D - CCD: 1.97" to 18.11" (50 mm to 460 mm)
C - Imager: 1.73" to 31.5" (44 mm to 800 mm)

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

User Environment
Ingress Protection 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)

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 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

OCR Options: OCR-A, OCR-B, OCR US Currency, OCR MICR E13B, OCR Semi Font

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 1D Laser Bluetooth Barcode Scanner & Data Collector
KDC380LN 1D Laser Bluetooth Barcode NFC Scanner & Data Collector
KDC380LF 1D Laser WIFI Barcode Scanner & Data Collector
KDC380LNF 1D Laser WIFI Barcode NFC Scanner & Data Collector
KDC380D 1D CCD Bluetooth Barcode Scanner & Data Collector
KDC380DN 1D CCD Bluetooth Barcode NFC Scanner & Data Collector
KDC380DF 1D CCD WIFI Barcode Scanner & Data Collector
KDC380DNF 1D CCD WIFI Barcode NFC Scanner & Data Collector
KDC380C 2D Imager Bluetooth Barcode Scanner & Data Collector
KDC380CN 2D Imager Bluetooth Barcode NFC Scanner & Data Collector
KDC380CF 2D Imager WIFI Barcode Scanner & Data Collector
KDC380CNF 2D Imager WIFI Barcode NFC Scanner & Data Collector

Compatible Accessories
1-Slot Charging Cradle
4-Slot Charging Cradle
KDC380 Protective Boot

Package Contents
1 x KDC380 Barcode Scanner
1 x KDC Lanyard
1 x KDC USB Type-C Cable

CAUTION
LASER RADIATION—
DO NOT STARE INTO BEAM
<1 MILLIWATT LASER DIODE
EC60825-1 CLASS II LASER PRODUCT

116 Village Blvd, Suite 305, Princeton, NJ 08540 USA
T: +1-609-256-4700 F: +1-609-228-4373
info@koamtac.com   www.koamtac.com