



KOAMTAC

KDC350 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 KDC350 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 connector or charging cradle for multiple devices. Additionally, replacing the battery through the slot on the side is easy and fast.

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 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 KDC350 provides not only Bluetooth connectivity to a smartphone, tablet, or PC but also has the option of Wi-Fi connectivity to a server or NFC for data transfer.

Equipped

Coming in 1D CDD, 1D Laser and 2D Imager models, the KDC350 is able to read all major symbologies. 8MB of on-board memory stores over 400,000 UPC product 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. Free SDK and technical support from top engineers and the development team ensure ease of data collection in any situation.

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:
KDC350: Lithium-Ion (3.7V DC, 1200mAh) softpack
KDC350R2: Lithium-Ion (3.7V DC, 1130mAh) hardpack
Charging: USB connector, Charging Cradle

Performance

Functionality

Memory Flash ROM: 256 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

Laser Safety: IEC60825/CDRH Class II
LED Safety: IEC62471:2006
Electrical Safety: UL 60950-1; EN/IEC 60950-1;
EN/IEC 60825-1
EMI/RFI: R&TTE, FCC, KC, TELEC
Environmental: RoHS Compliance

Scan Range (10mil Code39)

Laser (350L): 1.97" to 7.48" (50 mm to 190 mm)
Laser (350L-R2 / 20mil Code39): 1.40" to 52.0" (36 mm to 1321 mm)
CCD (350L-D-R2): 2.17" to 11.81" (55 mm to 300 mm)
Imager (350C): 3.2" to 9.2" (81 mm to 234 mm)
Imager (350C-R2): 1.1" to 13.3" (28 mm to 338 mm)

Your KDC

Models

KDC350L - 1D + N (NFC) Option
KDC350Li-OP, KDC350LNI-OP
KDC350C - 2D + N (NFC) & 3-key Options
KDC350Ci-SR, KDC350Ci-SR-3K, KDC350Ci-SF,
KDC350Ci-SF-3K, KDC350CNI-SR, KDC350CNI-SF
KDC350L-R2 - 1D + N (NFC), WiFi, Waterproof Glove Options
KDC350Li-D-R2, KDC350LNI-D-R2, KDC350Li-MO-R2,
KDC350Li-MO-R2-WFG, KDC350Li-MO-3K-R2,
KDC350LNI-MO-R2, KDC350LFI-MO-R2, KDC350LNI-MO-R2
KDC350C-R2 - 2D + N (NFC), WiFi, Waterproof Glove Options
KDC350Ci-G6SR-R2, KDC350Ci-G6SR-R2-WFG,
KDC350Ci-G6SR-3K-R2, KDC350Ci-G6SR-3K-R2-WFG,
KDC350CNI-G6SR-R2, KDC350CFI-G6SR-R2,
KDC350CFI-G6SR-R2-WFG, KDC350CFI-G6SR-3K-R2,
KDC350CNFI-G6SR-R2



Interfaces

Bluetooth V2.1+EDR, Class 2, HID/SPP/MFi
USB to Serial (Ultra mini USB port)
USB HID/Flash Memory

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 (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

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 (350C): OCR-A, OCR-B, OCR USC, OCR MICR(E13B), OCR Semi Font

OCR Options (350C-R2): OCR-A, OCR-B, OCR Passport (optional), 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

Compatible Accessories

KDC350 Waterproof Finger Trigger Glove
KDC350/KDC350R2 Charging Cradle
KDC350/KDC350R2 Protective Boot
KBD401 Dongle

Package Contents

1 x KDC350 Barcode Scanner
1 x KDC Lanyard
1 x KDC Ultra Mini USB cable

