KDC300
Imager Barcode Data Collector

Enables diverse mobile barcode data collection applications
User can easily collect and upload stored barcode data from the battery powered KDC300 to the host device via Bluetooth® wireless technology, USB, or Serial, at any time.

Puts an end to erroneous, blind barcode data collection processes
Inaccurate barcode data collection can result in flawed records. Users can easily verify and manipulate the scanned barcode data visually on the 1” OLED display using three buttons.

No more power and memory shortages
With normal periodic charging, the built-in 600mAh Li-Ion rechargeable battery powers up 300 times before needing to be replaced. The USB connector easily allows users to charge the battery virtually anywhere.

No more complex data synchronization processes
Host devices such as PC, PDA, and smartphone can detect and perform upload processes automatically upon connecting to the KDC300.

Bundled synchronization and keyboard emulator program, KTSync® enables direct importing of scanned data into active Windows application.

Custom data collection and synchronization applications can be developed using the included SDK.

Advanced Features
- Ultra Compact & Lightweight
- Decodes 1D, 2D symbologies plus OCR-A/B
- Bluetooth® V2.0+EDR, Class 2
- Bright 1” OLED display
- Rechargeable Li-Ion battery
- Stores 10,000+ barcodes
- KTSync® Wedge & Sync. SW
KDC300 Specifications

Hardware Specifications

Physical Characteristics
Size: 1.45”x3.26”x0.82” (37mmx83mmx21mm)
Weight: 1.8oz (52g)

Electrical Characteristics
Battery: Lithium-Ion (3.7V DC, 600mAh)
Charging: Via USB connector
Typical Operating Current: 300mA@3.3V

Scanning Performance
Image Sensor: 752 x 480 CMOS sensor
Scan Range: 1.9” (5cm) ~ 12.9” (33cm)

Temperature & Humidity
Operating: 14°F (10°C) ~ 122°F (50°C)
Storage: -20°C (-4°F) ~ 140°F (60°C)
5% ~ 90% (non condensing)

Interface
Bluetooth® V2.0+EDR, Class 2, SPP
USB and Serial (Ultra mini USB port)

Functionality
Memory FlashROM: 200KB Data Storage
Microprocessor: ARM9, 32 bits
Keyboard: 1 scan button, 2 scroll buttons
Realtime Clock: Quartz RTC for timestamp

Symbologies

2 Dimensional
AztecCode, AztecRunes, CodablockF,
Code 16K, Code49, DataMatrix, MaxiCode,
MicroPDF, PDF417, and QRCode

1 Dimensional
EAN8, EAN13, EANUCC, I2of5, MSI, Plessey,
PosiCode, RSS-14, RSSLimit, RSSExpand,
S2of5IA, S2of5ID, TLC39, Telepen, Trioptic,
UPCA, and UPCE

Postal
AusPost, CanadaPost, ChinaPost,
JapanPost, KoreaPost, KixPost, Planet Code,
Postnet (US), and UKPost

OCR Fonts
OCR-A, OCR-B, OCRUSCurrency,
OCRMICRE13B, and OCRSEMIFONT

Synchronization

• Store to a file or transfer to the application
• Keyboard wedge function
• Adds prefixes and suffixes
• Barcode option selection

Regulatory Conformance

EMC - CE, FCC, MIC, TELEC

Package Contents

1 KDC300 Data Collector
1 USB cable, 1 Neck strap, 1 Software CD
Rubber Case (Optional)

For more information about the KDC300, contact us at:
KoamTac, Inc.
116 Village Boulevard, Suite 200
Princeton, NJ 08540
TEL: 609-734-4335 FAX: 609-228-4373
email: info@koamtac.com
www.koamtac.com

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