KDC100
Laser Barcode Data Collector

Advanced Features

- Ultra Compact & Lightweight
- Decodes 1D symbologies
- Bright 1” OLED display
- Rechargeable Li-Poly battery
- Built in swing-out USB connector
- Stores 10,000+ barcodes
- KTSync® Wedge & Sync. SW
- Software Development Kit

Enables diverse mobile barcode data collection applications
User can easily collect and upload stored barcode data from the battery powered KDC100 to the host device via USB or serial interface 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 large, 1” OLED display using three buttons.

No more power and memory shortages
With normal periodic charging, the built-in 170mAh Li-Polymer rechargeable battery powers up 300 times before needing to be replaced. The swing-out USB connector easily allows users to upload stored barcode data and charge the battery virtually anywhere.

No more complex data synchronization processes
USB host or serial devices such as PC, PDA and smartphone can detect and perform upload processes automatically upon connecting the KDC100.
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.
# KDC100 Specifications

## Hardware Specifications

### Physical Characteristics
- Size: 1.37”x2.44”x1.37” (35mmx62mmx15mm)
- Weight: 1.34oz (38g)

### Electrical Characteristics
- Battery: Lithium-Polymer (3.7V DC, 170mAh)
- Charging: Via USB connector
- Typical Operating Current: 100mA@3.3V

### Scanning Performance
- Scan Rate: 100 scans/sec

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

### Scanning Performance
- Scan Rate: 100 scans/sec (bi-directional)

### Interface
- USB interface via swing out USB Type A connector and built-in ultra mini USB port
- Serial Interface via built-in ultra mini USB port (Custom cable is required)

## Functionality

### Memory
- FlashROM: 200KB Data Storage
- RAM: 64KB

### Microprocessor
- ARM7, 32 bits

### Keyboard
- 1 scan button, 2 scroll buttons

### Realtime Clock
- Quartz RTC for timestamp

## Symbologies


## Synchronization

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

## Regulatory Conformance

- Laser Safety - IEC Class I, CDRH Class II
- EMC - CE, FCC, MIC

## Package Contents

1 KDC100 Data Collector
1 USB cable, 1 Neck strap, 1 Software CD
Rubber Case (Optional)

For more information about the KDC100, contact us at:
KoamTac, Inc.
116 Village Boulevard, Suite 200
Princeton, NJ 08540
TEL: 609-734-4335  FAX: 609-228-4373
e-mail: info@koamtac.com
www.koamtac.com

Specifications are subject to change without notice.

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