

# KDC100 Laser Barcode Data Collector



## Advanced Features

- Bright OLED display
- Built in swing-out USB connector
- Rechargeable Li-Poly battery with user-accessible compartment for easy replacement
- Top of the line laser scan engine
- Auto uploading scanned data to the host device upon connecting either USB or serial port
- Large data memory

### 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 with just three buttons.

### No more power and memory shortages

With normal periodic charging, the built-in Li-Polymer rechargeable battery powers up to one year of barcode data collection without replacement. 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 mobile phones can detect and perform upload processes automatically upon connecting the KDC100 to the device.

The bundled synchronization and keyboard emulator program enables direct importing of scanned data into the active Windows application.

Develop custom data collection and synchronization applications using the included Software Development Kit.



# KDC100

## Specifications

### Hardware Specifications

#### Physical Characteristics

Size: 35mm x 62mm x 15mm

Weight: 38g

#### Electrical Characteristics

Battery: Lithium-Polymer rechargeable (3.7V DC, 170mAh)

Charging: Via USB connector

Typical Operating Current: 100mA@3.3V

#### Scanning Performance

Scan Rate: 100 scans/sec

#### Temperature

Operating: -10°C ~ 50°C

Storage: -20°C ~ 60°C

#### Humidity

5% ~ 90% (non condensing)

#### Scanning Performance

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

#### Interface

USB interface via swing out USB Type A connector

Secondary USB port via 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

Memory RAM: 64KB

Microprocessor: ARM7, 32 bits

Keyboard: 1 scan button, 2 scroll buttons

Realtime Clock: Quartz RTC for optional time stamp field

### Symbologies

EAN, UPC, Code 39, Code 93, Code 128, Codabar, Interleaved 2 of 5, UCC/EAN128, Code 3 of 5.

### 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 Data Collector with rechargeable battery

1 USB cable

1 Neck strap

1 CD with software & manual

### Accessories

USB Type A Extension Cable

Ultra mini USB and USB Type A Cable

Ultra mini USB and Serial connector Cable

Rubber Case

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