A New Wave in Auto-ID

The KDC250 enables diverse mobile Auto-Identification applications for collecting and storing barcode data. A built-in display eliminates blind erroneous data collection and enables interactive data collection processes.

An easy-to-replace rechargeable battery that can recharge from any USB port allows more than 15,000,000 barcode scans. With 4MB of on-board memory that stores over 100,000 product records, memory shortages are no longer a concern.

All KDC® products come with FREE KTSync® software and SDK. KTSync® includes keyboard wedging, application generation, DB look up and inventory management features. SDK provides technical support from our top engineers and development staff.

ADVANCED FEATURES

• Class2 Bluetooth® with HID/SPP/MFi (Optional) Profiles
• Bright 1” OLED Display
• Rechargeable Li-Ion Battery
• Stores 100,000+ Product Records
• KTSync® with Keyboard Wedging, Application Generation, DB Look up, and Inventory Management features

Solutions

• Retail
• Transportation
• Field Services
• Warehouse
• Healthcare
• Hospitality
• Event Technology
# KDC250 Specifications

## Hardware Specifications

### Physical Characteristics
- **Size**: 37 mm x 83 mm x 21 mm (1.45" x 3.26" x 0.82")
- **Weight**: 2.0 oz (57 g)

### Electrical Characteristics
- **Battery**: Lithium-Ion (3.7V DC, 650mAh)
- **Charging**: Via USB connector
- **Typical Operating Current**: 170mAh @ 3.3V

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

### User Environment
- **Drop Spec**: 4 feet (1.22m) with Rubber Case
- **Operating**: 32˚F (0˚C) ~ 113˚F (45˚C)
- **Storage**: -4˚F (-20˚C) ~ 113˚F (45˚C)
- **Humidity**: 5% ~ 85% (noncondensing)

### Interfaces
- Bluetooth® V2.1+EDR, Class 2, HID/SPP/MFi
- USB to Serial (Ultra mini USB port)

### Functionality
- **Memory Flash ROM**: 256KB Program, 4MB User Data
- **Memory RAM**: 64KB
- **Microprocessor**: ARM7, 32 bits
- **Real-time Clock**: Quartz RTC for timestamp

### Symbologies

## Regulatory Conformance
- **Laser Safety - IEC / CDRH Class II**
- **EMC - CE, FCC, KCC, TELEC**

## Wedging & Synchronization
- Store to a file or transfer to the application
- Keyboard wedge function
- Add-on prefixes and suffixes
- Barcode option selection

## Application Generation
- **SDK for PC, Smartphone, and Tablet application**
- Application generation tool
- Database lookup feature
- Inventory management feature

## Models
- KDC250, KDC250M, KDC250i, KDC250iM

## Package Contents
- 1 KDC250 Data Collector
- 1 Protective Boot
- 1 Lanyard
- 1 USB Cable
- Optional Finger Trigger Glove (sold separately)

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