DLR-BT001

DATALOGIC

RFID POCKET READER WITH *BLUETOOTH*® WIRELESS TECHNOLOGY

UHF RFID technology allows users to read from and write to a wide variety of tags, enabling quick and accurate identification of multiple items at once. Read/write operations can occur without a line-of-sight and at longer distances and faster speeds compared to other passive RFID technologies, decreasing cost and improving efficiency in item identification.

Bluetooth wireless communication makes the reader ideal for a variety of applications and its small size makes it an easy to carry and convenient tool for improving productivity in the field, warehouse, or retail point of sale.

KEYBOARD EMULATION AND BATCH MODE OPERATION

The HID version supports native keyboard emulation allowing the reader to interact directly with legacy applications, office automation software or any other generic solution requiring manual input.

The reader can also operate in Batch Mode allowing the reader to store EPC bar codes into the internal memory when the reader is out of *Bluetooth* communication range.

MULTIPLE APPLICATIONS

Designed for mobile operators in outdoor and indoor areas, the DLR-BT001 reader is ideal for in-store inventory management, field sales mobility, service and maintenance applications.

When paired with a smartphone or tablet, the DLR-BT001 reader is a cost effective alternative to more expensive handheld devices.

FEATURES

- EPC Global Class 1 Gen 2 and ISO 18000-6C compliant
- USB communications and charging
- *Bluetooth* wireless communication
- SPP and HID *Bluetooth* profiles
- Integrated linear polarized antenna
- Small, lightweight and ergonomic form factor
- Battery powered
- LCD display
- Vibration feedback

INDUSTRY-APPLICATIONS

- UHF functionality to *Bluetooth* wireless devices
- Retail: Point of Sale
- Field Sales Mobility
- Access Control
- Inventory Management
- Service and Maintenance

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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

ANTENNA	Integrated linear (horizontal)
BLUETOOTH WIRELESS TECHNOLOGY	Class 2 with output power 4dBm e.i.r.p.
CONNECTIVITY	USB Interface: USB 2.0 Full Speed (12 Mbit/second) device port
FREQUENCY RANGE	865.600 - 867.600 MHz (ETSI EN 302 208 v. 1.4.1): Model DLR-BT001-EU only; 902-928 MHz (FCC part 15.247): Model DLR-BT001-US only
NUMBER OF CHANNELS	4 channels compliant to ETSI EN 302 208 v. 1.4.1: Model DLR-BT001-EU only; 50 hopping channels compliant to FCC part 15.247: Model DLR-BT001-US only
VIRTUAL COM PORT	Baudrate: up to 230.400 kbps; Databits: 8; Stopbits: 1 Parity: none; Flow control: none

RFID DECODING CAPABILITY

STANDARDS SUPPORTED	EPC Global Class 1 Gen 2 and ISO 18000-6C compliant

ELECTRICAL

BATTERY	Battery Type: Li-Ion 3.7V, 570 mAh
BATTERY LIFE	Operating: >12 hours with 40,000 tag readings; Standby: >5 days
BATTERY CHARGING TIME	2 hours (typical)
INTERNAL BUFFER SIZE	48 kByte (equivalent to 4096 EPC codes @ 96 bit) (TBC)
RF POWER	Programmable in 18 levels from 5 dBm e.r.p. to 22 dBm e.r.p. / 3 mW e.r.p. to 150 mW e.r.p.

ENVIRONMENTAL

TEMPERATURE	Storage: -20 to 60 °C / -4 to 140 °F Operating: 0 to 45 °C / 32 to 113 °F

INTERFACES

USER INTERFACE	Button #1: ON/OFF Button #2: Trigger LED #1: Power indication and battery status: Green = high; Red = low LED #2: Communication activity: Blue = *Bluetooth* wireless technology; Orange = USB Buzzer: Bi-tonal for events signaling Vibration: For events signaling Display: LCD Alphanumeric (8 characters x 2 lines)

PHYSICAL CHARACTERISTICS

DIMENSIONS	Reader: 9.9 x 5.4 x 2.0 cm^3 / 3.9 x 2.1 x 0.8 in^3
LENGTH OF USB CABLE	1.5 m / 4.9 ft
WEIGHT	57.0 g / 2.0 oz

READING RANGES

READING RANGE	Up to 90.0 cm / 35.4 in

SAFETY & REGULATORY

STANDARD COMPLIANCE	ISO 18000-6C/EPC C1G2

UTILITIES

DL RFID SOFTWARE TOOL	RFID configurations tools are available for download

WARRANTY

WARRANTY	1-Year Factory Warranty

ACCESSORIES

Chargers

▪ MBC-DLRBT001 3-Slot Charger