DLR-BT001

DATALOGIC

RFID POCKET READER WITH BLUETOOTH® WIRELESS TECHNOLOGY

UHF RFID technology allows to read and write information on devices, named tags or transponders, placed on objects for their identification. Read/write operations can occur without line-of-sight, at longer distance and faster speed compared to other passive technologies, thus allowing a cheaper and more efficient process automation.

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 codes into the internal memory when the reader is out of radio 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 C1 G2, ISO 18000-6C Compliant
- USB and Bluetooth® wireless communications
- SPP and HID Bluetooth® profiles
- Integrated linear polarized antenna
- Small, lightweight and ergonomic form factor
- Battery powered
- LCD display
- Vibration feedback
- iPhone/iPad compatibility

INDUSTRY-APPLICATIONS

- UHF add-on to Bluetooth® wireless communication devices
- Retail: Point of Sale
- Field Sales Mobility
- Access Control
- Inventory Management
- Service and Maintenance

DLR-BT001

DATALOGIC

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

ANTENNA	Integrated linear (horizontal)
APPLE COMPATIBILITY	Models R1170IEAPLP and R1170IUAPLP
BLUETOOTH® WIRELESS TECHNOLOGY	Class 2 with output power 4dBm e.i.r.p.
CONNECTIVITY	USB Interface: USB 2.0 Full Speed (12 Mbit/s) device port
FREQUENCY RANGE	865.600÷867.600 MHz (ETSI EN 302 208 v. 1.4.1) (Models R1170IEHIDP and R1170IEAPLP only) 902÷928 MHz (FCC part 15.247) (Models R1170IUHIDP and R1170IUAPLP only)
HID PROFILE	Models R1170IEHIDP and R1170IUHIDP
NUMBER OF CHANNELS	4 channels compliant to ETSI EN 302 208 v. 1.4.1 (Models R1170IEHIDP and R1170IEAPLP only) 50 hopping channels compliant to FCC part 15.247 (Models R1170IUHIDP and R1170IUAPLP only)
VIRTUAL COM PORT	Baudrate: up to 230.400 kbps; Databits: 8; Stopbits: 1 Parity: none; Flow control: none

DECODING CAPABILITY

EPC CODES	EPC C1 G2, 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 5dBm e.r.p. (3 mW e.r.p.) to 22dBm e.r.p. (150 mW e.r.p.)

ENVIRONMENTAL

PARTICULATE AND WATER SEALING	IP32
TEMPERATURE	-10 to 55 °C / 14 to 131 °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 signalling Vibration: For events signalling 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 g / 2.0 oz

READING PERFORMANCE

DEPENDS ON THE UHF RFID TAG

READING RANGES

TYPICAL DEPTH OF FIELD	Up to 90 cm / 35.4 in

SAFETY & REGULATORY

STANDARD COMPLIANCE	ISO 18000-6C/EPC C1G2

UTILITIES

SM@RTSET-RFID SOFTWARE TOOL

WARRANTY

WARRANTY	2-Year Factory Warranty

ACCESSORIES

Chargers

▪ MBC-DLRBT001 3-Slot Charger RFID Pocket Reader

DS-DLR-BT001-ENA4 Revision X-4 20150929