



DualRunners 1D

1D Barcode and RFID HF 13.56 MHz reader dedicated to traceability in mobile environments



- A "2-in-1" reader that combines assets of both RoadRunners and TagRunners
- Huge battery autonomy
- Bluetooth Class 1 (up to 100 meters)
- Real-time clock : ideal for proof of visit or time management
- Withstands multiple drops onto concrete with its protective boot
- Internal memory available for Batch mode
- Interfaces with a large variety of Bluetooth® devices : PDA / mobile phone / laptop / tablet PC...

- Field Services
- Parcel Delivery
- Asset Tracking
- Merchandising

BDR-L Specifications

STANDARD - REGULATORY

Bluetooth® 2.0 + EDR certified
SPP profile

USER INTERFACE

Two tricolors LEDs (Orange, Green, Red)
Buzzer (85dBA)

BLUETOOTH RANGE

Class 1: up to 330 ft (100m)

OPERATING MODES

Real Time (with or without timestamp)
Batch (with or without timestamp): up to 20,000 Tags ID or UPC codes
Mode No Data Loss with buffer: up to 20,000 Tags ID or UPC codes
Flash Memory 1 MByte.

READING MODES

Switch (option : Laser beam ON via Bluetooth)
Smart Autoscan
Aiming
Option: "No duplicate scan"

BARCODE CAPABILITIES

Reading technology CMOS (Intermec EV10)
Reading distance 3.9 to 19 in (10 to 50 cm) for barcode scanning
Scan rate 200 scan/s
Scan angle 40°

SUPPORTED BARCODES

Interleaved 2 of 5, Code 2 of 5 Standard, Matrix 2 of 5
Codabar / Monarch, Code 11, Code 128
GS1-128 (UCC/EAN-128), Code 39, Italian PharmaCode
Code 93, UPC-A/E, EAN8 / EAN13, JAN 8 / JAN13
ISSN/ISBN, MSI,
GS1 DataBar Omnidirectional (ex RSS-14)
GS1 DataBar Limited (ex RSS Limited)

RFID TECHNOLOGY

Reading technology RFID HF 13.56 MHz
Reading distance Contact

SUPPORTED RFID PROTOCOLS

ISO/IEC 14443-A (NXP Mifare 'Classic' 1K / 4K, Ultra Light, etc)
ISO/IEC 14443-B (ST SR, etc)
ISO/IEC 15693 (NXP ICODE-SLI, TI Tag-it, ST LR, etc)
NXP ICODE-1
Inside Contactless PicoTAG
ASK CTS256B/CTS512B
NFC

POWER

Battery 1 X 2000 mAh Li-ion rechargeable
Autonomy up to 10,000 data
Charging time 4 hours for a full charge
2h30 for a charge at 80%

PHYSICAL

Length 4.84 in (123 mm)
Width 2.05 in (52 mm)
Height 1.3 in (33 mm)
Weight 5.3 oz (150g)

ENVIRONMENT

Operating temperature 32°F - +104°F (0°C - +40°C)
Storage temperature +14°F - +140°F (-10°C - +60°C)
Operating humidity 5 - 95% (Non condensing)
Shock Several drops onto concrete (with protective boot)
Ambient light Full darkness to sunlight

General features

Ideal for mobile applications

- DualRunners1D has a slick design, is small and lightweight (fits neatly in one hand and can be easily attached to a belt via the key retractable reel accessory).
- Very reliable, efficient, durable.
- Thanks to its PDA stylus, BDR-L can also be used as a stylus on PDA

Rugged product

DualRunners 1D, with its 3 mm of plastic casing protected by an additional layer of elastomer and the optional protective boot, is particularly adapted for harsh environments and remain fully functional even after multiple drops on concrete.

Extremely durable battery

BDR-L can read more than 10,000 data
Battery monitoring possible: Visualise in real time from the mobile device the battery level status of the DualRunners.

Superior reading quality

Can decode damaged or low quality data; superior reading performance for RFID Tags also.

No Data Loss mode and Auto Reconnection

When DualRunners is connected to a host, scanned data are transmitted in real time to this host. Barcodes are stored within internal memory until they are acknowledged by the application.

If you read data out of the radio range, they will be stored in memory and automatically downloaded when getting back into range.

Internal time clock

Every data can be date and time stamped.

Batch mode

If used in batch mode, DualRunners 1D can store up to 20,000 Tag ID or UPC barcodes with timestamp.

Intuitive user interface

- A single button to switch on, connect and read barcodes or Tags.
- Multicolor led indicates connection and battery status.
- Sound beeps for successful scanning (loud volume option available for noisy environments).

Platforms compatibility

Baracoda provides a user-friendly middleware (BaracodaManager) and also supplies developers with state of the art SDK to ease the integration on the following platforms:

PC ; PPC 2002/2003; WM5/WM6; CE.NET; Palm OS, Symbian serie 9 (Mobile Phones) and Java phones (Blackberry and JSR82)

Plug and Scan Solutions

For instant replacement of corded scanners, Baracoda supplies advanced Bluetooth Serial (RS232) and USB adapters with its wireless scanners. Just plug & scan - there is no need for driver installation.

Package content

- 1 Scanner with rechargeable battery
- 1 PDA stylus
- 1 Charger (5V, 500mA)
- 1 CD with all the documentation and software needed

Non contractual data v.1.2 - May 2009

Available accessories



Protective boot



Key retractable reel



Only to be used with DualRunners
AND Protective Boot
Cradle 1 bay or 4 bays



Car Charger



Neck Lanyard