



DualRunners Laser

Barcode and RFID HF 13.56 MHz reader/encoder dedicated to traceability in logistics environments



- A "2-in-1" reader/encoder that combines assets of both RoadRunners and TagRunners
- Laser superior reading quality
- High battery autonomy : up to 10,000 scans
- 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...

- Data Capture in Warehouse
- Inventory Management
- Work-in-Progress

BDR-LA Specifications

COMMUNICATION

Bluetooth® 2.0 + EDR
Class 1 (100m)
SPP profile
Modes : Slave or Master

USER INTERFACE

Two tricolors LEDs (green, orange, red)
Buzzer (85dBA)

USING MODES

Real Time With or without "No Data Loss" mode
Batch 20,000 UPC codes capacity
Flash Memory 1 MByte

Real time clock to timestamp captured data can be activated

READING MODES

Trigger Possibility to switch ON beam via Bluetooth®
Autoscan Beam always on
Smart Autoscan Save power consumption
Aiming To target then scan the barcode

No duplicate scan available function

BARCODE CAPABILITIES

Reading technology Laser Class 2 (SE950 Motorola)
Reading distance 5 to 85 cm (2 to 33 in) for barcode scanning
Scan rate 104 scans/s
Scan angle 47°

SUPPORTED BARCODES

Supported Symbolologies 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 Omnidirectionnel (ex RSS-14)
GS1 DataBar Limited (ex RSS Limited)

RFID TECHNOLOGY

Reading technology RFID HF 13.56 MHz
Reading distance Contact

SUPPORTED RFID PROTOCOLS

Supported 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 LRI64, ST LRI 2K)
ISO/IEC 15693 (KSW Variosens®)
NXP ICODE-1
Inside Contactless PicoTAG
ASK CTS256B/CTS512B
NFC

POWER

Battery 1 X 2200 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 123 mm (4.84 in)
Width 52 mm (2.05 in)
Height 33mm (1.3 in)
Weight 142g (4.9 oz)

ENVIRONMENT

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

General features

Ideal for logistics applications

DualRunners Laser has a slick design, is small and lightweight (it 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-LA can also be used as a stylus on PDA

Rugged product

DualRunners, 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 remains fully functional even after multiple drops onto concrete.

Extremely durable battery

BDR-LA can read more than 10,000 barcodes or Tag ID over 24 hours of continuous use.

Battery monitoring possible: Visualise in real time from the mobile device the battery level status of the DualRunners Laser.

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

If you scan 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 Laser can store up to 20,000 Tags ID or UPC codes with timestamp.

Intuitive user interface

- Same button to switch on, connect and scan data.
- Multi color led for connection and battery status.
- Sound beeps for successful scanning (loud volume option available for noisy environments).

Platforms compatibility

Baracoda provides you with an easy-to-use middleware (BaracodaManager) and SDK to ease the integration on the following mobile platforms: PC (including Windows 7); PPC 2002/2003 WM5 / WM6; Windows phone; CE.NET; Symbian series 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 v1.5 February 2010

Available accessories



Protective boot



Key retractable reel



Holster



Cradle 1 bay

Only to be used with DualRunners
AND Protective Boot



Car Charger



Neck Lanyard