

## Handheld RFID Reader

# RFR900 Series

## Ergonomic, Durable Best-in-class

- **Outstanding Visibility**

RFR900 provides exceptional capturing performance in both tag recognition rate and accuracy. It offers complete data transference with purpose-built design.

- **Long Range and High-speed RFID Reading**

RFR900 combines high-speed reading with the ability to read over 900 tags per second with an extended reading distance of up to six meters. In addition, RFR900 is able to store over 40,000 RFID tags in batch mode.

- **Ergonomic RFID Pistol Grip**

RFR900 enables you to add long range UHF RFID reading capability to EF400(EF401), EF500(R), EF501(R), BP30 and BM 180. Need to read barcodes too? Just press the button on the side of the mobile computer to switch between RFID and barcode scanning.

- **SDK for Easy Integration**

Bluebird's offers a software developer kit (SDK) with a full set of APIs, making it easier to integrate RFID reading to any application.

- **Industrial-grade Durability**

RFR900 incorporates Bluebird's proprietary TankSmith™ technology, which means it has been tested for maximum reliability in tough, industrial environments. It features a 1.2 meter (4ft.) drop specification and an IP52 rating that protects it against water and dust.



RFR900 Handheld  
RFID Reader with EF500



⇌ **Batch Mode**

Physical Interface  
for Bluebird EF Series & iOS Devices

⌘ **Bluetooth**

Wireless Connection  
for all Kinds of Bluetooth Devices



## RFR900 Series Specification

PHYSICAL CHARACTERISTICS	Dimensions (L x W x D)	RFR900: 146.2 x 70 x 148.7 mm RFR900S (Stand-alone Model with Barcode Scanner): 146.2 X 70 X 134.8 mm
	Weight	RFR900: 333g RFR900S: 315g
	Power	User replaceable Battery Standard 3.64V, 3050 mAh Extended 3.64V, 4,000 mAh
	Notification	5 LED and audible tone
	Configurations	RFID only or RFID with 1D/2D Imager
	User Input	Trigger, 2 push button switch (Mode Change, Power)
RFID PERFORMANCE	Standards Supported	GEN2 V2
	Fastest Read Rat	900+ Tags/sec
	Nominal Read Range	20+ ft./ 6+ m
	Frequency Range / RF Output	US: 902~928 MHz, EU: 865~868 MHz, JP1: 916~921 MHz, JP2: 916~923 MHz, CN : 920.5~924.5 MHz, Russian Federation: 866~868 MHz
	Batch Mode Memory	Store 40,000+ RFID Tags
COMMUNICATION	Interface	UART/USB
WIRELESS PAN	Bluetooth	Bluetooth V2.1+EDR, Class 2
DATA CAPTURE	Scanning	1D&2D imager (Available only RFR900-xxS Series)
USER ENVIRONMENT	Operating Temp.	-20°C to 60°C / -4°F to 140°F
	Storage Temp.	-30°C to 70°C / -22°F to 158°F
	Charging Temp.	0°C to 45°C / 14°F to 113°F
	Humidity	95% non-condensing
	Drop Spec.	1.2m drop per MIL-STD 810G
	Tumble Spec.	1000 drops (500 tumbles, 1.6 ft./0.5 m) at room temperature
	Sealing	IP52
	Electrostatic Discharge (ESD)	+/-15kVdc air discharge, +/-8kVdc direct discharge, +/-8kVdc indirect discharge