

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, EF500, EF500R, BP30, and BM180. Need to read barcodes too? Just press the button on the side of the mobile computer to switch between RFID and bar code 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 IP42 rating that protects it against water and dust.



⇌ **Batch mode**

Physical Interface  
for Bluebird EF Series & iOS Devices



✶ **Bluetooth**

Wireless Connection  
for all Kinds of Bluetooth Devices



## RFR900 Series Specification

<b>PHYSICAL CHARACTERISTICS</b>	Dimensions (L x W x D)	127.9 X 70 X 146.2 mm
	Weight	328g
	Power	User replaceable Battery 3.64V, 3050 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)
<b>RFID PERFORMANCE</b>	Standards Supported	GEN2 V2
	Fastest Read Rate	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
<b>COMMUNICATION</b>	Interface	UART/USB
<b>WIRELESS PAN</b>	Bluetooth	Bluetooth V2.1+EDR, Class 2
<b>DATA CAPTURE</b>	Scanning	1D&2D imager (Available only RFR900-xxS Series)
<b>USER ENVIRONMENT</b>	Operating Temp.	-10°C to 40°C / 14°F to 104°F
	Storage Temp.	-40°C to 70°C / -40°F to 158°F
	Charging Temp.	0°C to 40°C / 14°F to 104°F
	Humidity	5-85% 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	IP42
	Electrostatic Discharge (ESD)	+/-15kVdc air discharge, +/-8kVdc direct discharge, +/-8kVdc indirect discharge

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