

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 6 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. 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.



⇌ **Batch mode**

Physical Interface  
for Bluebird EF Series & iOS Devices



📶 **Bluetooth**

Wireless Connection  
for all Kinds of Bluetooth Devices



## RFR900 Series Specifications

<b>PHYSICAL CHARACTERISTICS</b>	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, 3400 mAh (RFR900) Extended 3.64V, 4,000 mAh  Standard 3.64V, 3050 mAh (RFR900S) 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)
	<b>RFID PERFORMANCE</b>	Standards Supported
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 RFR900S)
<b>USER ENVIRONMENT</b>	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.	1.2 m/4 ft. 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

**Bluebird Inc.**  
(Corporate Headquarters)