

# RSPOS-300 Wi-Fi UHF RFID Scanner/Encoder



## Features

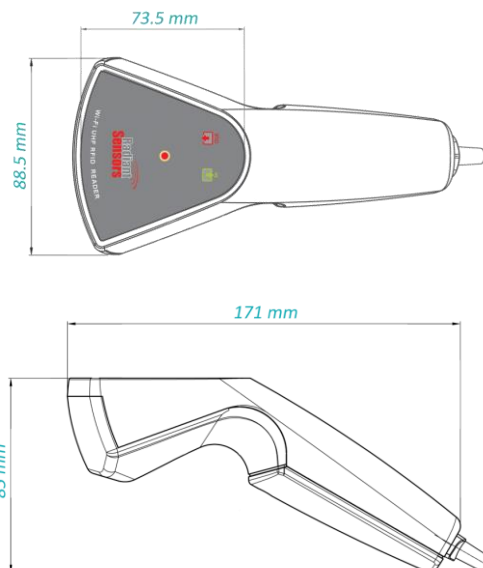
- Wi-Fi or USB connectivity (user definable)
- Web-based configuration setup
- Snap-on installation
- Plug & play driver-free setup
- Rich API for quick integration
- Orientation-insensitive design resulting in faster and more accurate RFID reads
- Single and continuous scanning modes
- Best-in-class receive sensitivity
- Enhanced interference rejection
- Rugged yet compact and lightweight for effortless use
- Superior ergonomic design for both left and right-handed users
- USB 2.0 for power and/or communication line
- Built-in activity indicator LED & buzzer
- IP41 sealing for dust and water resistance

RSPOS-300 is a dual-function device with the capability of scanning and encoding RFID tags. The installation is straight forward and does not require any additional software or drivers. Once connected to the power source via USB port, the user can configure the device through its built-in web configuration menu. The device can connect to your facility's Wi-Fi and access your choice of cloud or on-premise host application. The Wi-Fi or USB communication mode is user definable.

The 2-button keypad (IN and OUT) allows you to scan and encode different patterns on the fly. Pressing the IN button in Scan mode, scans the Tag and transmits its EPC to the host application with IN mark. Pressing the OUT button does the same, however, this time the EPC is sent with OUT mark. The IN and OUT marks can be interpreted by the hosts application in different ways, depending on the specific application and designated conventions. For example in a library application, OUT is pressed when checking the books out, and IN is pressed when receiving them back. In this mode, **RSPOS-300** can scan the RFID tags in single or continuous mode.

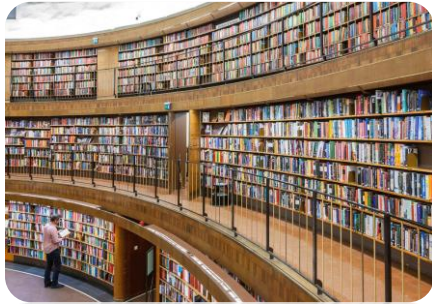
When the Encode mode is activated, pressing the IN button encodes one byte of a pre-configured pattern into the Tag's EPC. Pressing the OUT button does the same, but encodes a different byte of data in the EPC. This encoding feature provides unique capabilities for special applications such as anti-theft system.

Snap-on installation and exceptional ergonomic design has made **RSPOS-300** convenient to setup and comfortable to use. The device can easily integrate with any third-party application through rich APIs.



## Technical Datasheet

# Specifications



### Applications

- Retail POS
- Library
- Hypermarket
- Pharmacy & Healthcare
- Warehouse
- Receiving/Shipping
- Product authentication
- Office

And any applications requiring high levels of security and access control.



Radiant Sensors designs, develops and manufactures IoT sensor devices as well as RFID hardware products for short and long-range wireless identification technology. Our devices are field-proven and have been in operation for many years throughout the world

www.Radiantsensors.Com  
Email: Sales@Radiantsensors.Com

Model No.	RSPOS-300
Product	2 button UHF RFID Scanner/Encoder
Supported RFID Standard	EPC Gen 2
Connectivity	Wi-Fi, USB (user definable)
Read Range	Up to 15 cm (6 inches)
Protocol	HID Keyboard, TCP over Wi-Fi
Driver	Plug & Play
Working Mode	Single mode (scan & encode) Continuous mode (scan)
Reading Rate	10 tags per second in continuous mode
Buttons	IN, OUT (user-programmable)
User Feedback	Buzzer & LED
Cable Length	1.8 Meter
RFID Antenna Type	Integrated, Orientation-insensitive
RFID Output Power Range	18-25 db
Input Voltage	5 VDC
Input Current	5VDC @ 500 mA
Operating System	All operating systems are supported.
Operating Temperature	-20 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Dimensions	(H×W×L) 8.5 × 8.8 × 17 cm (3.3 × 3.4 × 6.7 in)
Weight	150 g
IP Rating	IP41
Colour	Grey (shown), Beige
SDK	Rich API for quick integration
Warranty	12 months
Country of Origin	Made in USA