

# RSWR-100 Smart Mini 4 Port UHF RFID Reader



## Features

- Smallest 4 port UHF RFID reader on the market
- Wireless connectivity to your existing Wi-Fi
- Secure connection using HTTPS
- Browser based intuitive setup software
- Extensive REST-ful JSON and TCP API allows for easy integration with any software
- Low cost for high volume deployment
- Highly versatile and flexible with snap on installation
- Region-free frequency
- Enhanced interference rejection
- Best-in-class receive sensitivity
- Rugged yet compact and lightweight
- Built-in buzzer & Wi-Fi indicator LED

## Applications

- Retail showcases & cabinets
- Retail shelves
- Pharmaceutical cabinets
- Laboratory cabinets
- Warehouse shelves
- Exhibition showcases
- Museum display cases
- Archive bureau sections
- Utility cabinets
- File cabinets
- Gun cabinets
- Pay-per use
- Remote inventory control
- And many more...

RSWR-100 is a wireless smart mini 4 port UHF RFID Reader that enables the deployment of best-in-class EPC Gen 2 RFID solutions for the capturing of RFID tags in challenging applications such as showcases, shelves, medicine cabinets, lockers, vending machines, file cabinets, gun cabinets, small containers, boxes and other locations where tight space, low power, low cost and wireless connectivity is a must.

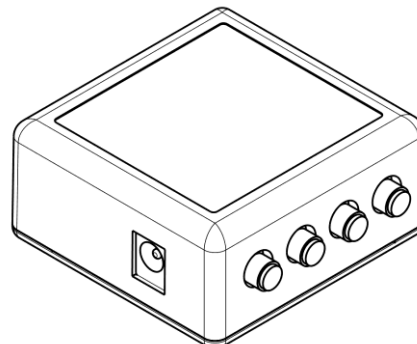
With a very small size of 2.3 × 2.2 in (6 × 5.8 cm) and a weight of only 87 grams, Radiant Sensors' smart reader is considered to be the smallest and most inexpensive, but at the same time the most capable and fully functional 4 port UHF RFID reader available on the market. The RSWR-100 Reader is a flexible, software-controlled device that transmits captured tag data via Wi-Fi to the cloud or local server.

In case of wireless breakdown, the RFID reader transmits captured data when communication is restored. It is designed to be a low cost option for complete replacement of large 4-port RFID readers in challenging applications such as vendor-managed inventory, remote inventory or asset monitoring.

The RSWR-100 UHF RFID reader is designed to run in two different modes. In Filtered mode, the reader transmits only the changes in the scanning environment (new tags or removed tags). This feature eliminates excessive and unnecessary transmission of data. In Inventory mode, the reader continuously transmits what it scans. In either of these modes, when a tag is read, the tag ID and captured time are transmitted to the server or the cloud.

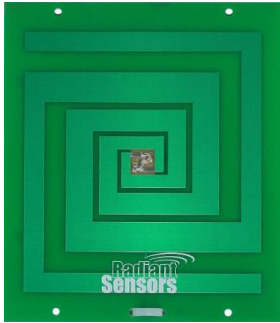
The built-in browser-based application allows you to fully configure the device to fit your application. This smart mini 4-port UHF RFID Reader can also act as an access point, eliminating the need for additional Wi-Fi hardware.

Radiant Sensors' RSWR-100 is a perfect tool for various industries such as Retail, Pharmaceuticals, Laboratories, Manufacturing and any application that require real-time inventory visibility and monitoring.



## Technical Datasheet

# Specifications



The perfect companion to RSWR-100 is Radiant Sensor's ARS-01 UHF RFID Antenna. Together, they keep an eye on your tagged products and provide you with unprecedented security, control and convenience never before possible.



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

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Model No.	RSWR-100
Description	Smart Mini 4 Port UHF RFID Reader
Dimensions	2.8 × 6 × 5.8 cm (1.1 × 2.36 × 2.28 in)
Supported Standards	EPC Gen 2
RFID Output Power	18-25 dBi (user selectable)
Frequency Range	Region-Selectable
Antenna Ports	4 Antenna Ports (user selectable)
Antenna Connectors	SMA Female Connectors
Wi-Fi	Internal Antenna
Communication Standards	2.4 GHz Wi-Fi® (IEEE 802.11b/g/n) OPEN, WEP, WPA, WPA2 or WPA/WPA2 encryption
Connectivity Options	Wi-Fi access point mode Wi-Fi client mode
Weight	87 Gram
Input Power	300 mA @ 12 VDC
Ingress Protection	IP41
Color	Black
Material	ABS
Storage Temperature	-20 °C to +80 °C
Operating Temperature	-10 °C to +70 °C
Humidity Operating Range	Up to 80% relative humidity

