

# RSPDP-100 UHF RFID Desktop Reader



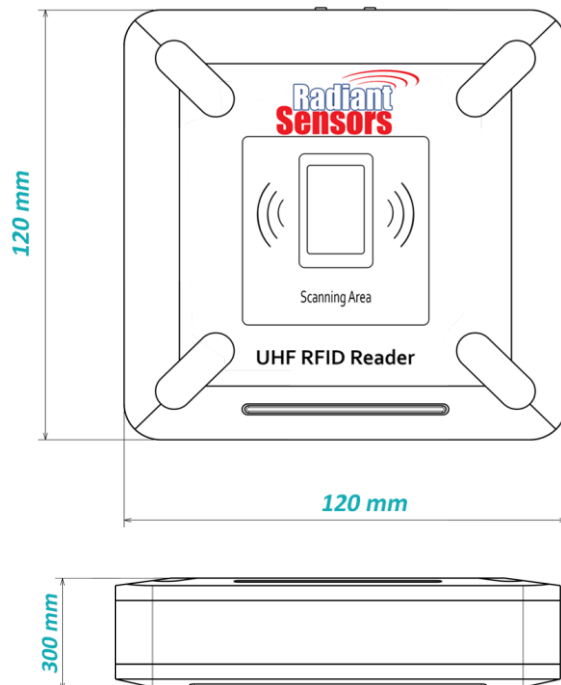
Radiant Sensors RSPDP-100 Desktop UHF RFID Reader is a new and business-class desktop reader that functions as an interface between your enterprise software and RFID tags. By means of its embedded RFID reader, RSPDP-100 scans RFID tags and sends their EPC to a host via USB port.

Using this UHF RFID Reader you can deploy the best-in-class EPC Gen 2 RFID solutions for retail, healthcare, supply chain, manufacturing, and much more.

Radiant Sensors provides a rich SDK to programmers for easily developing applications to utilize RSPDP-100.

## Features

- Reduced development time provided by powerful embedded software
- Versatile and flexible
- Snap-On installation
- Orientation insensitive design resulting in faster and more accurate tag reads
- Fast read rate for demanding applications
- Region-free application
- Best-in-class receive sensitivity
- Enhanced interference rejection
- Expansive read range settings
- Rugged yet compact and lightweight for effortless usage
- USB 2.0 for power and communication line
- IP31 sealing for dust and water resistance
- Low cost for high volume deployment
- Low power usage
- Built-in activity indicator buzzer and LEDs



## Technical Datasheet

# Specifications

### Applications

- Retail Stores
- Supply chain
- Manufacturing
- Warehouse
- Hospital facilities
- Personal identification
- Access control
- Access management
- And many more...



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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<b>Model No.</b>	RSPDP-100
<b>Product</b>	UHF RFID Desktop Reader
<b>Description</b>	Desktop UHF RFID Reader with USB Port
<b>Antenna Ports</b>	Built-in Antenna
<b>Air Interface Protocol</b>	EPC global UHF Class 1 Gen 2/ ISO 18000-6C
<b>Supported Regions</b>	840-960 MHz, EU, US, Canada, JP and other worldwide regions.
<b>Transmission Power</b>	From +15.0 to +25.0 dBm
<b>Stepping Interval</b>	5 dBm
<b>Max Reading Range</b>	50 cm
<b>Reading Rate</b>	Over 50 tags per second
<b>Application Interface</b>	Extensive SDK & EDK
<b>Connectivity</b>	USB Port
<b>Driver</b>	HID driver
<b>Power Supply</b>	+5 VDC @ 500mA via USB port
<b>Operating Temperature</b>	-20 °C to +70 °C
<b>Storage Temperature</b>	-40 °C to +85 °C
<b>Humidity</b>	10% to 90% RH
<b>Dimensions</b>	3 × 12 × 12 cm (1.2 × 4.7 × 4.7 in)
<b>Weight</b>	150 g
<b>IP Rating</b>	IP 31