



## FEATURES

- EPC Class 1 Gen 2 Support • Integrated antenna • Ultra portable • Light weight
- USB and Bluetooth connectivity • Long battery life • Nconnect API support

## PRODUCT OVERVIEW

The IRYS R900 is an ideal ultra portable RFID scanner. Reliable performance combined with ease of use makes it a price- performance leader among UHF RFID scanners. Small footprint and power efficiency make it particularly well suited for large scale deployments across the enterprise.

R900 uses Bluetooth (Class II) technology to upload tags ID to Bluetooth based computers/PDAs in a real-time mode and meets industry standard EPC Class 1 Gen 2 tag support. A simple setup process along with easy to use software allows user to quickly operate this reader.

### BENEFITS

- Excellent high speed scanning
- Reliable performance
- Suited for small workplaces
- Simple and easy to use
- Works with Windows and Android apps

### APPLICATIONS

#### Item-Level Inventory Management

- *Stock audit*
- *List preparation*
- *List verification*
- *Item transfers*
- *Item search*

#### Point of Sale

- *Item wise billing*
- *Returns / Exchanges*

#### Tag Encoding

- *Encoding data into memory*
- *Tag ID/ SKU No/ Lot No/ Packet No/ Bag No*



## ABOUT IRYS

*Irys Pte. Ltd., a Gems & Jewellery centric RFID company, pioneers in conceptualizing and developing smarter Jewellery Management Solutions using next generation auto-identification technologies. Our products target not only at optimizing efficiency and accuracy of stock verification processes, but also at providing valuable Business Intelligence for effective planning of production, stocking and movement of Jewellery products to maximize business gains.*

*Headquartered in Singapore, Irys focuses strongly on customers' needs and perspectives. Backed by domain experience, Irys provides a new and innovative approach to managing jewellery business that resembles a flexible and a cost efficient system.*



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## TECHNICAL SPECIFICATIONS

	ITEM	DETAILS
<b>RF Specifications</b>	<ul style="list-style-type: none"> <li>• Frequency</li> <li>• Max Power</li> <li>• Channel Occupation Method</li> <li>• Antenna Gain</li> <li>• Modulation method</li> </ul>	<ul style="list-style-type: none"> <li>• 865-867Mhz</li> <li>• 1 W</li> <li>• Frequency Hopping</li> <li>• TBD</li> <li>• Reverse Back scatter Link freq 250khz Miller 4</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Idle</li> <li>• Ready</li> <li>• Max Electric current</li> </ul>	<ul style="list-style-type: none"> <li>• 0mA</li> <li>• Under 100mA</li> <li>• Under 1.6mA</li> </ul>
<b>Dimensions</b>		<ul style="list-style-type: none"> <li>• 140x50x30mm</li> </ul>
<b>Weight</b>		<ul style="list-style-type: none"> <li>• 150 gms</li> </ul>
<b>Bluetooth</b>	<ul style="list-style-type: none"> <li>• Serial Profile Support</li> </ul>	<ul style="list-style-type: none"> <li>• 115,200 BPS</li> </ul>
<b>USB</b>		<ul style="list-style-type: none"> <li>• USB 1.1 Compatible</li> </ul>
<b>UART</b>		<ul style="list-style-type: none"> <li>• 3.3V, 3 wire</li> </ul>
<b>Operating Temp</b>		<ul style="list-style-type: none"> <li>• -20 to +50C</li> </ul>
<b>Storage Temp</b>		<ul style="list-style-type: none"> <li>• -40 to +70C</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Input</li> <li>• Output</li> </ul>	<ul style="list-style-type: none"> <li>• 110-240V/50-60Hz/0.15A</li> <li>• 5V, 1.0A</li> </ul>
<b>Warranty</b>		<ul style="list-style-type: none"> <li>• 1 year</li> </ul>