

## UHF RFID Desktop Reader

### SBD-U25

SBD-U25 is a high-cost-effective UHF desktop RFID reader and writer with an integrated antenna and reader module. Compact and portable, it operates via USB power and delivers stable, reliable read/write performance. The device supports virtual keyboard output in various formats, making it user-friendly for desktop applications. It complies with **ISO 18000-6C (EPC Gen2)** and optionally supports **GB/T29768-2013** and **GJB 7377.LA-2018** protocol standards. Wireless communication is achieved through the built-in antenna, enabling fast and accurate reading and writing of tag IDs and memory data.

### Features and Benefits:

- Compact design
- Read range up to 0.6 meters
- Software adjustable RF output power (up to 33 dBm)
- SDK and software integration support available
- Plug and play with no driver installation required
- Keyboard emulation mode for easy usage



### Applications:

- Asset Tracking
- Library Management
- Access Control & ID Verification
- Retail & POS Operations

**SOOCHAK BHARAT TECHNOLOGIES PRIVATE LIMITED**

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## SPECIFICATIONS

<b>Physical Parameter</b>	
Dimensions	104 X 63mm
Weight	200 gms approx.
Packaging Material	ABS Plastic
Colour	Gray, White
<b>Technical Parameters</b>	
Operating Frequency	<b>China (GB Standard):</b> <ul style="list-style-type: none"> <li>920–925 MHz (Primary)</li> <li>840–845 MHz (Optional)</li> </ul> <b>Europe (ETSI Standard):</b> <ul style="list-style-type: none"> <li>865–868 MHz (Optional)</li> </ul> <b>India (TEC-Compliant Frequency Band):</b> <ul style="list-style-type: none"> <li>865–867 MHz</li> </ul> <b>North America (FCC Standard):</b> <ul style="list-style-type: none"> <li>902–928 MHz (Optional)</li> </ul>
Protocol	Supports ISO 18000-6C/6B (all mandatory commands), and is also compatible with GB/T 29768 and GJB 7377.1 protocols.
Features	Supports dense read/write operations, multi-tag recognition, label data filtering, and RSSI (Received Signal Strength Indicator) for signal strength detection. Features direct encryption, anti-cloning capabilities, and high security.
Power Supply	USB - 5 V
Transmitting Power	33dBm±1dB Software adjustable
Read Range	Up to 0.6 m
Antenna	Internal
Communication Interface	USB (TYPE-C)
Indicators	Buzzer
Read Performance	15 tags per second
Output Power Adjustment	1 dB
Foreign Modulation Method	DSB-ASK
<b>Environmental parameters</b>	
Operating Temperature	-25°C to +65°C
Storage Temperature	-40°C to +85°C
Working humidity	10% to 95%RH (No condensation)

*Soochak Bharat, with its technical expertise in RFID technology, focuses on designing, developing, innovating, and deploying RFID hardware solutions.*

\*Read range is dependent on tag and antenna design.

\*Soochak  
Bharat reserves the right to make  
changes in the above specifications  
without notice.

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