

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

SPECIFICATIONS	
Physical Parameter	
Dimensions	104 X 63mm
Weight	200 gms approx.
Packaging Material	ABS Plastic
Colour	Gray, White
Technical Parameters	
Operating Frequency	<p>China (GB Standard):</p> <ul style="list-style-type: none"> • 920–925 MHz (Primary) • 840–845 MHz (Optional) <p>Europe (ETSI Standard):</p> <ul style="list-style-type: none"> • 865–868 MHz (Optional) <p>India (TEC-Compliant Frequency Band):</p> <ul style="list-style-type: none"> • 865–867 MHz <p>North America (FCC Standard):</p> <ul style="list-style-type: none"> • 902–928 MHz (Optional)
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
Environmental parameters	
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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