

Multiprotocol UHF RFID Module

SBM-U25

The **SBM-U25** is a compact UHF RFID reader/writer module designed for easy integration. Operating in the **865–867 MHz** band, it supports the **ISO 18000-6C (EPC Gen2)** standard. The module includes an onboard **MMCX connector** for connecting an external antenna, offering flexibility in range and installation. Ideal for applications such as inventory management, retail, and access control, with customization options available on request.

Features and Benefits:

- Operates at 865–867 MHz, supports ISO 18000-6C (EPC Gen2)
- Compact and low-cost design for easy integration
- External antenna support via onboard MMCX connector
- Castellated board edges for easy PCB mounting
- Auto inventory mode for continuous tag scanning
- Multiple LEDs for power and read status indication
- SDK & API included for seamless software integration
- Customization available upon request

Applications:

- Inventory & Asset Tracking
- Retail & POS Systems
- Warehouse & Logistics Management
- Access Control & Security
- Smart Shelving & Cabinet Systems



SPECIFICATIONS

Physical Parameter	
Dimensions (in mm)	35.5mm X 55.5mm
Colour	Silver/Green
Weight	10 grams approx.
UHF Technical Parameters	
Protocol	ISO18000 6-C
Operating Frequency	865-867 MHz
Antenna	External
Read Range	0-1 m
Interface	UART (TTL)
Output Power	Up to 26 dB (Adjustable)
Environmental Parameters	
Operating Temperature	0°C to +50°C
Operating Voltage	3-5.5 VDC
Storage Temperature	-10°C to +60°C
Working Humidity	10% to 90%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 size and design.

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

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