

## 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



<b>SPECIFICATIONS</b>	
<b>Physical Parameter</b>	
Dimensions (in mm)	35.5mm X 55.5mm
Colour	Silver/Green
Weight	10 grams approx.
<b>UHF Technical Parameters</b>	
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)
<b>Environmental Parameters</b>	
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.

#### **SOOCHAK BHARAT TECHNOLOGIES PRIVATE LIMITED**

Plot No 156, Khasra No 306, Vandana Enclave, Khoda Colony, Ghaziabad, Uttar Pradesh, 201309  
 Mobile: - 80767 02201 | [sales@soochakbharat.com](mailto:sales@soochakbharat.com) | [www.soochakbharat.com](http://www.soochakbharat.com)