

## Desktop ISO14443 RFID Reader

### SBD-H25-43

The **SBD-H25-43** is a high-performance, highly reliable IC card reader independently developed by our company. It features advanced plug-and-play USB-driven core technology based on the HID protocol, enabling seamless connectivity with PCs and related devices via a USB port—no additional power supply is needed, ensuring convenient operation and easy maintenance. The device supports the **ISO14443 Type A/B** standard and incorporates a non-blind zone design along with anti-collision technology, allowing efficient multi-card reading and writing. Custom development can be provided based on specific customer requirements.

#### Features and Benefits:

- Complies with ISO14443 Type A/B standard
- Optimized for various compatible card operations
- Built with high-integration RFID chips and powerful microprocessors
- USB plug-and-play (HID protocol), no driver required
- High security, strong anti-interference, and economical design
- Fast, sensitive card reading with anti-collision for multi-card handling
- Stable performance, user-friendly, and cost-effective



#### Applications:

- Access Control
- Attendance Management
- Cashless Payment
- Library & Asset Management
- Membership & Loyalty Programs

<b>SPECIFICATIONS</b>	
<b>Physical Parameter</b>	
Dimensions (in mm)	110mm X 70mm X 19 mm
Colour	White
Weight	200 grams approx.
Packaging Material	ABS Plastic
<b>UHF Technical Parameters</b>	
Protocol	ISO14443 Type A, ISO14443 Type B
Support Operating System	Windows/98/2000/XP/Vista/7/Linux
Operating Frequency	13.56 MHz
Antenna	Inbuilt
Communication Current	0-130 mA
Power Consumption	<0.5 W
Reading Method	Active/Passive
Status Display	Work Indicator
Inductive Card	ISO14443TypeA/Standard card
Tag Supported	MI fare / I-Code
Interface	USB
Indicators	Buzzer, LED for power & read
Read Range	Up to 5 cm
<b>Environmental Parameters</b>	
Operating Temperature	-20°C to +70°C
Operating Voltage	5 VDC (USB)
Storage Temperature	-30°C to +85°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**