

Radio Frequency Identification - RFID 125

- Converts radio waves returned from the RFID tag into a form that can be passed on to Controllers, which can make use of it. The tags and readers have to be tuned to the same frequency to communicate.
- The frequency supported by the reader is 125 KHz.
- Designed as a Plug & Play Module and can be plugged on a Standard 300 MIL - 28 Pin IC socket form factor.
- Supports reading of 64 Bit Manchester Encoded cards.
- Pins for External Antenna connection.

RFID 125



Features & Specifications

Serial Interface	
Interface	RS 232 (TTL), Wiegand, Others (on demand)
Connector	9 Pin Female for MDV, Berg Pins (MD) and RMC for Wiegand (Optional)
Baud Rate	9600bps
Data Bits	8
Parity	No Parity
Stop Bits	1
Data Format	
	Send Tag ID HEX Value in ASCII format with Carriage Return and Line-Feed
Network	
Frequency	125 KHz
Read Range	up to 7 cm
Supported TAG	Supports reading of 64 Bit Manchester Encoded Cards
Wiegand	26 Bit Format
Indication	
Visual	LED Blinking for TAG read. Green LED in MDV. Berg Pin in MD
Audio	Single BEEP for TAG read. Buzzer in MDV. Berg Pin in MD
Power	
Input for RFID MD	5 V DC (± 5 %)
Input for RFID MDV	9 V DC
Input for RFID PB	12 V DC
Maximum Consumption	60 mA
Environmental	
Operating	-20 °C to 65 °C
Storage	-40 °C to 75 °C
Packaging	
Dimensions for MDV	36 mm(L) x 18 mm(W) x 10 mm(H)
Dimensions for MD	41 mm(L) x 21 mm(W) x 7.5 mm(H)
Dimensions for PB	100 mm(L) x 57 mm(W) x 32 mm(H)
Antenna Board	46 mm (L) x 45 mm (W)
Weight	55g for MDV, 5g for MD & 75g for PB
Warranty	
	6 months for MDV , 3 months for MD & 12 Months for PB

Applications

- Access Control
- Time & Attendance Monitoring.
- Vending Machines.
- Other industrial applications where Reading and comparing of the same is required for permission to access

RFID 125 PB



RFID - RS 232 Port



Model Number	Description
RFID 125 MD	RFID Reader Module (125 KHz)
RFID 125 MDV	RFID Reader Module with Base Board with RS 232 Port (125 KHz)
RFID 125 PB	RFID Reader Module enclosed in a Plastic Box

Sparr Electronics Limited

No.414A, 7th Main Road, 1st Block, HRBR Layout, Banaswadi , Bangalore - 560 043, INDIA.

Bangalore: +91-80-41278033

Mumbai: +91-22-26655375

For more details visit:

<http://www.sparrl.com> E-mail: info@sparrl.com

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