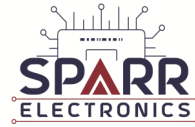


Radio Frequency Identification - RFID 125



- 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.



Features & Specifications

Serial Interface

Interface	UART (TTL), RS232 and Wiegand, Others (on demand)
Connector	Berg Pins (MD), 9 Pin Female for MDV & PB. 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 Card
Wiegand	26 Bit Format

Indicators

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 ($\pm 5\%$)
Input for RFID MDV	12 V DC
Input for RFID PB	12 V DC
Maximum Consumption	60 mA

Environment

Operating Temperature	-20 °C to 65 °C
Storage Temperature	-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 Dimensions	46 mm (L) x 45 mm (W)
Weight	55g for MDV, 25g for MD & 75g for PB

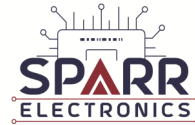
Warranty	3 months for MD, 6 months for MDV & 12 Months for PB
-----------------	--

Sparr Electronics Limited

414A, 7th Main Rd, 1st Block, HRBR Layout, Banaswadi, Bengaluru, Karnataka 560043, INDIA

Phone: +91-9900477055, +91-80-41278033 For more details visit: <http://www.sparrl.com>

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.



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 Module



RFID - RS 232 Port



Part Number	Model	Deliverables
1448000593	RFID 125 MD	Module
1448000601	RFID 125 MDV	Module with Base Board with RS 232 Port
1448000817	RFID 125 PB	Unit

Sparr Electronics Limited

414A, 7th Main Rd, 1st Block, HRBR Layout, Banaswadi, Bengaluru, Karnataka 560043, INDIA

Phone: +91-9900477055, +91-80-41278033 For more details visit: <http://www.sparrl.com>

*Product Images are shown for Illustrative Purposes only. Specifications are subject to change without notice. All rights reserved. SEL/MKG/RFID-125/02/25 E-mail: sales@sparrl.com