



LOW FREQUENCY RFID 125 KHz Reader with USB Interface

Product Datasheet

MPN: - A-LRO5

INTRODUCTION

The 125 KHz Low-Frequency RFID Reader with USB/TTL Interface is an advanced and versatile device designed for seamless integration into various identification and authentication systems. Utilizing low-frequency RFID technology, Low-cost method for reading passive RFID tags, this reader offers reliable and efficient performance, making it ideal for a wide range of applications such as access control, asset tracking, and personal identification. The RFID Card Reader is available in two versions: A TTL-level serial interface for use with a microcontroller and a USB interface for direct connection to a computer.

KEY FEATURES

- **Easy USB Connectivity:** The USB interface ensures simple plug-and-play installation, allowing for quick setup and integration with existing systems without the need for additional drivers or software.
- **Two easy-to-use versions:** Serial interface for microcontrollers and USB for direct connection to PC, windows, or Linux machines
- **Wide Compatibility:** Compatible with a variety of 125KHz RFID tags/cards, providing flexibility and ease of use across different environments.
- **Robust Performance:** Designed to deliver consistent and accurate reading capabilities, ensuring reliable data capture and minimizing read errors.
- **Compact Design:** The reader's compact and lightweight design allows for easy installation in various locations, from desktop setups to embedded system integrations.
- **User-Friendly Operation:** The intuitive interface and straightforward operation make it accessible for users of all skill levels, reducing the learning curve and increasing productivity.

Whether you are looking to upgrade your current system or implement a new RFID solution, the 125 KHz Low-Frequency RFID Reader with USB Interface offers a cost-effective, efficient, and user-friendly option to meet your needs.

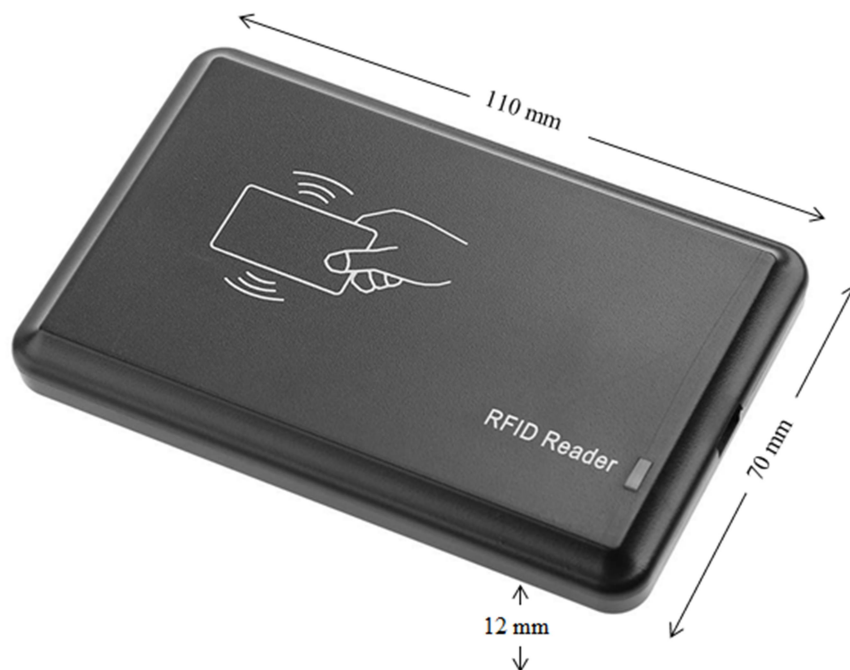
SPECIFICATION

Country of origin	India
RFID Frequency	125 KHz
Installation	Plug-and-Play
Reading Distance	1mm to 40mm
Communication Interface	USB
USB Class	HID
Output Format	ASCII (Decimal Tag Number)
Card / Tag Supported	EM-4100 Tags, Passive Tags
Antenna	Built-in
Compatible with	Windows, Linux, Android, MAC
Reading & Response time	Less than 400ms
Operating Voltage	5V @50mA (not required external supply)

Operating Temperature	0°C to 65°C
Storage Temperature	-5°C to 80°C
Relative Humidity	5% - 85%
Weight	150g
Indication	LED ,Buzzer

Note 1: Android devices require an OTG adapter, while Mac devices need a Type-C or Lightning to USB adapter

MECHANICAL DIMENSIONS



ORDERING INFORMATION

MPN	Description
A-LR05	RFID 125 KHz based read only module with USB Interface

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