



- Plug-and-play USB interface enables quick setup without extra drivers.
- Available with serial interface for microcontrollers or USB for PCs.
- Supports multiple 125KHz RFID tags and cards
- Provides consistent, accurate readings with minimal errors.
- Lightweight build allows easy installation in diverse setups
- Intuitive interface ensures simple use for all skill levels.

Introduction

The 125 KHz Low-Frequency RFID Reader with USB 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.

Specifications

General

RFID Frequency	125 KHz
Installation	Plug-and-Play
Reading Distance	Upto 35 mm
Communication Interface	USB 2.0
Baud Rate Supported	USB2.0
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
Tag Detection	Automatic
Reader/Write Support	Read only
Output Format	Decimal Numbers

Power Parameters

Operating Voltage	5V (USB Powered)
Indications	LED,BUZZER

Physical Characteristics

Dimension (L*W*H)	70 (L) * 12 (H) * 110 (W) mm
Weight	150g

Environment

Operating Temperature	0°C to 60°C
Storage Temperature	-5°C to 80°C
Relative Humidity	5 - 95% (non-condensing)

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

Order Information

Part No.	Description
AT-312-DE	125 KHz Reader with USB Interface Low Frequency RFID