Phone: +91-9896600003
Email : sales@naugralabequipments.com

| **Product Name :** | **Product Code :** |
| --- | --- |
| RFID Trainer | NLAB-ELECTRONICSAB210005 |

**Description :**

RFID Trainer

**Technical Specification :**

RFID TRAINER is an excellent learning/ training system for understanding basics, working and application of RFID (Radio Frequency Identification). It comprises of Contactless RFID Reader, 5 Mifare contactless cards, RFID Applications/Demo/Video Software. System works on 13.56 MHz and ISO 14443A read and write support. RFID is an automatic identification technique, storing and retrieving data using RFID tags or transponders. RFID tags (Active or Passive) is stuck into a product, animal or person for identifying using radiowaves. Most RFID tags have 2 parts: Integrated circuit for storing, processing information, modulating/ demodulating a RF signal and Antenna for receiving/ transmission. Applications for RFID includes transport payments, product tracking, animal identification, inventory systems, human implants, libraries etc.

Features:

Software for understanding/working on Applications, Demo, Product Videos

Contactless RFID Reader at 13.56 MHz with 6cm range

Can be used for Active RFID tags (Optional)

Read/Write ISO 14443A protocol Mifare 1K memory RFID cards

16 x 2 LCD Display with 89C51 Micro controller

On board Breadboard with 840 tie points for designing other applications

High Speed Transactions and flexible configurations

USB to Serial interface for RFID Reader

Parallel Interface for applications

Weight : 6 Kg. (Approx.)

Dimension : W 412 x H 150 x D310

Specifications:

Operating Frequency: 13.56 Mhz

Protocol: ISO 14443A and Mifare 1K Tags

Antenna/ Modulation: In built Antenna with ASK modulation

Software:

Software for RFID Contact less card reader with 7 applications

Screen Shot Videos for 7 Applications in steps

Live Video Demo for the complete RFID training system

RFID Introduction

Operating Range: Contact less 6 cm

Voltage & Current: 5V 80mA for Reader; 5V 200mA for LCD; 12V1.5A for stepper motor

Operating Temperature: -5 to 75 oC

Applications

1. Hardware Based Experiments

RFID Seven Segment Interface (Counter).

RFID Stepper Motor (Two) Interface.(With Two Stepper Motor)

RFID Logic Switch /LED Interface.

RFID LCD Interface.

RFID Breadboard Interface.

2. Software Based Experiments

Alarm

Database

Calculator

Read/Write Block

Accessories:

Mifare RFID cards ----------5

Software CD ----------4

Mains Cord ----------1

25 Pin Parallel Male-Female Cable ----------1

9 Pin Parallel Male-Female Cable ----------1

Instruction Manual ----------1

Patch Cord 2mm to 1mm 35cm Red & Black ---------5 each.

Patch Cord 2mm to 1mm 15cm Red & Black ---------5 each.

**Naugralabequipments**

**Website:** www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

**Address:** 6148/6, Guru Nanak Marg,Ambala Cantt,Haryana,India. **Phone:** +91-9896600003