

# DE-600S

(RF CARD READER)

## User 's Manual



DUALi INC.

Made in KOREA

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## 1. Specifications

CPU	AVR Atmega128
Host Communication	USB 2.0(1.1)
Compatible Card	ISO 14443 Type-A (Include MIFARE) and Type-B, ISO 7816 Contact Card or SIM Type
Read Range	Inside 10 cm
Frequency	13.56Mhz
Power Consumption	USB Power (DC 5V), Max 200mA
Operating Environment	0°C ~ 50°C
Size	65 × 100 × 40 (mm)

## 2. Overview

### 1.1 DE-600S

- Support read / write the ISO14443 Type A & B RF-Card, Mifare Card Protocol.
- Host Communication : USB

### 1.2 Caution

- Do not expose to the hot temperature, hot sunny, wet condition.
- Fragile on the shake, outside damage.
- Sensitive to the installed environment, do not expose in the iron metal around the reader, it should cause the fatal defecion

### 3. Product Contents



READER



USB CABLE

### 4. Installation



- USB communication : Download USB Driver from [www.duali.com](http://www.duali.com)
- Provided communication protocol:  
STX(02h) + Length high + Length low +  
Command or Response Code + Data + LRC
- Sample working test program
- Ask to the Service provider  
( Program provider ) for more command  
and function protocol

## 5. Operation

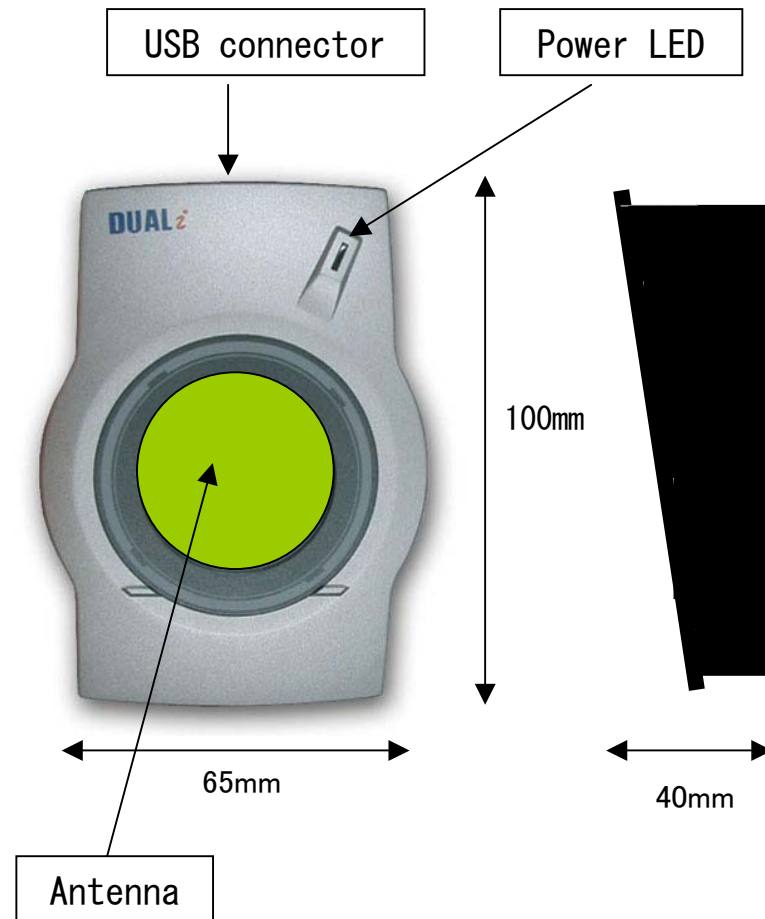
- You can test it with Duali test program to read / write on the specific card.
- You can develop many different program such as Access, time & attendance, card issuing, PC security with the provided Duali DLL and Protocol.

### - Functions.

- \* Mifare card Read/Write
- \* ISO 14443 A-Type Card Read/Write
- \* ISO 14443 B-Type Card Read/Write
- \* ISO 7816 T=0 (Contact or SIM Type)
- \* Buzzer On/Off
- \* LED On/Off

## 6. Dimension and Characteristic

### 5.1 Dimension



## 5.2 Characteristic

- Operation Temperature : 0°C ~ 60°C
- Input Volatge : DC 5V (USB)
- Card Reading Range : Inside 10 Cm

## 7. Technical Support

- Address : Room 505 Samsung Technopark,  
#471 Wonchen, Youngtong, Suwon,  
Gyeonggi 443380, Korea.

- URL : [www.duali.com](http://www.duali.com)

- Tel : +82-31-213-0074

**!** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.