

# DE-620

(RF CARD READER)

## User's Manual



DUALi INC.

Made in KOREA

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## 1. Specifications

CPU	ARM 32-bit Cortex-M3
Host Communication	USB 2.0(1.1)
Compatible Card	ISO 14443 Type-A (Include MIFARE) and Type-B, FeliCa card, ISO 7816 Contact Card and SIM Type
Read Range	Inside 4 cm
Frequency	13.56MHz
Power Consumption	USB Power (DC 5V), Max 250mA
Operating Environment	-20°C ~ 50°C
Size	68 × 120 × 28 (mm)

## 2. Overview

### 1.1 DE-600S

- Support read / write the ISO14443 Type A & B RF-Card, FeliCa 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 deflection

### 3. Product Contents



READER



USB CABLE

### 4. Installation



- USB communication : Download USB Driver from [www.duali.com](http://www.duali.com)
- Provided communication protocol: Length high + Length low + Command or Response Code + Data
- 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
- \* FeliCa 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 : -20°C ~ 50°C
- Input Voltage : 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

### **WARNING:**

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.



### FCC (Federal Communications Commission)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technical for help.

This device complies with Part 15 of the FCC's Rules. Operation is subject to the following two Conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesirable operation.

Hereby, DUALi Inc. declares that this DE-620 is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC

