



Model Name	BLP-A04-NR06	Doc. Number	EP01-15-003	Code	0
Date	2015.03.18	Drafter	Minyoung Jo	Approver	Taeyang Ha
Title	Product Specifications				

General

Original

Product Specification

Model Name : BLP-A04-NR06

Document No. : EP01-15-003

Draft	review	Approval

Distributor : _____.



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Revision History

No.	Date	PAGE	Contents
1	15.03.18	all	First edition
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
12			
13			
14			
15			
16			



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Overview

1.1 Product overview

PS/SC mode is used for this RFID card reader. (S014443 TYPE-A) This reader adopts ARM7 of STMicroelectronics.

1.2 Product specification

ITEM	Specifications	Remark
CPU	STM32F072C8U6 Cortex-M3(ARMv7), 32bit RISC	
Program Memory	64KByte FLASH	
Data Memory	16KByte SRAM	
DISPLAY	Status LED *2	
Communication	MINI USB	
Card Type	ISO-14443 A	
Input voltage	Mini USB Power(5V, 200mA over)	

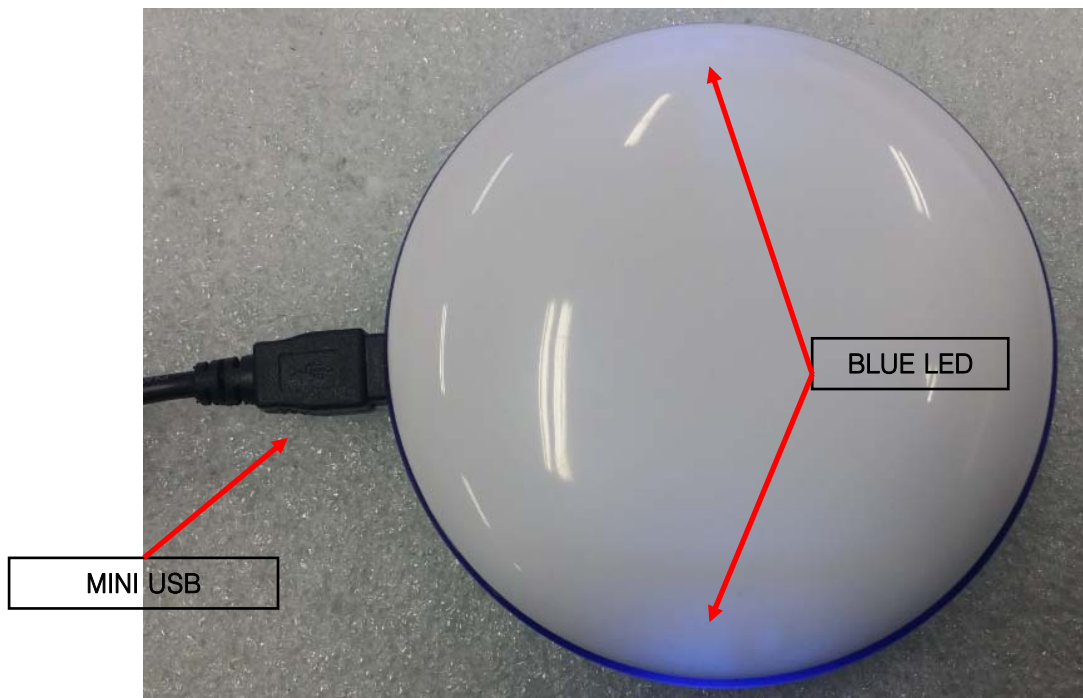
1.3 RF PART Specifications

ITEM	S1C9410 Specification	Remark
RF	13.56MHz	
Card communication speed	106,212,424,847 Kbps	
Subcarrier	847 KHz	
Using voltage	5V, 3.3V	

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2 Exterior Specifications

2.1 Exterior of device



2.2 Size of device

- 90(W) *90(H) * 26(D) mm



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3 Electric specifications

3.1 Power supply

- Use USB power (5V 200mA)

3.2 Current consumption

- Basic current consumption: 5V, 150mA under
- Maximum current consumption: 5V, 200mA under (Reading or writing card)

3.3 USB communication specification

- USB 2.0 FULL SPEED
- Communication speed: Up to 12Mbps



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4 Function specification

4.1 Card Reading

- TYPE A Tag: Card reading should be available within up to 2.5 cm.
There should be no dead zone
- Once you tag the card on the reader, you can see that the LED of the reader gets brighter.



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5 Environmental characteristic

5.1 Use environment.

- Use temperature: 0 ~ 60 °C
- Use humidity : 30 ~ 90 % (relative humidity)

5.2 Storage Environment

- storage temperature: 0 ~ 60 °C
- storage humidity : 30 ~ 90 % (relative humidity)



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6 Caution

- As equipment designed for indoor use, this unit should refrain from outdoor use in direct sunlight.
- Basically this reader works only with USB. Connecting the reader directly to PC is recommended, rather than Using USB hub.
- To maximize the card read range, make sure that there is no metallic material near the reader. If the device is opened or the antenna is out of the position, card reading range can be shortened or it's not available to read the card.



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7 Certification

This product must be certified to KC, FCC and CE standard as a wireless communication device at a frequency of 13.56MHz

FCC Information to User

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 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 technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC 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 undesired operation

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CAUTION

To reduce the risk of electric shock, do not remove the top cover (or the rear section).
No user serviceable parts inside, refer servicing to qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure-voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Please read the manual.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this equipment near water.
- 6) Do not use near any heat sources such as radiators, heat resistors, stove, or other equipment that produce heat.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

European CE notice to users and product statements

This product is CE marked according to the provisions of the R&TTE Directive(99/5/EC). Hereby, DUALi Inc. declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For further information, please contact [http:// www.duali.com](http://www.duali.com)

CE1177

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EUROPEAN UNION “DECLARATION OF CONFORMITY”

DECLARATION OF CONFORMITY

DUALi Inc.

1-309 Innoplex, 306 Sinwon-ro, Yeongtong-gu, Suwon, Gyeonggi-do, Korea

declare under our sole responsibility that the product(s)

Smart Card Reader

to which this declaration relate(s) is in conformance with the following standards:

EN 301 489-1 V1.9.2 :2011

EN 301 489-3 V1.6.1 :2013

EN60950-1 :2006

EN 300 330-1 V1.8.1 :2014

EN 300 330-2 V1.6.1 :2014

following the provisions of the 1999/5/EC Directives.