



User Manual

NFC Module

DMRN-1000

User's Manual

FCC COMPLIANCE STATEMENT

NOTE

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.

Caution

The Federal Communications Commission (FCC) warns the users that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ATTENTION

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 with 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 technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

1. Short description

Power supply

- 5VDC

Operating temperature : 0 to 50 degree

Storage temperature : 0 to 50 degree

Supported 13.56MHz RF standards : ISO/IEC 14443

Antenna connection : embedded PCB antenna

Short functional description:

- After power-up of the module is ready to transceive commands via its TTL interface to host.
- The 13.56Mhz RF field is switched on depending on the commands received.

2. Summary of Operating Instructions

1. Preparation and Safety Precautions Operating Environment: Ensure the device operates within a temperature range of 0 to 50.

Power Supply: This device requires a DC 5V power source. Please check the voltage compatibility before connecting.

2. Hardware Installation Procedure

Mounting: The reader is designed to be attached to an end-user device and securely fixed using screws, depending on the installation requirements..

Connector Connection: Connect the interface cable to the 4-pin connector located on the application host of the end-user device. Ensure the pins are aligned correctly before inserting.

Pin No.	Name
1	5V
2	Tx
3	Rx
4	GND

Operation Tag Recognition: Place a registered RFID ID Card near the front of the RFID Reader.

User Identification: The device will read the pre-designated RFID information through the end-user device's application to identify the user's ID.



26, Jeonpa-ro 62 beon-gil, Manan-gu, Anyang-si, Gyeonggi-do, 14086, Korea

Tel : +82-31-459-8530 Fax : +82-31-459-8531

E-mail : drax@draxfit.com www.draxfit.com

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