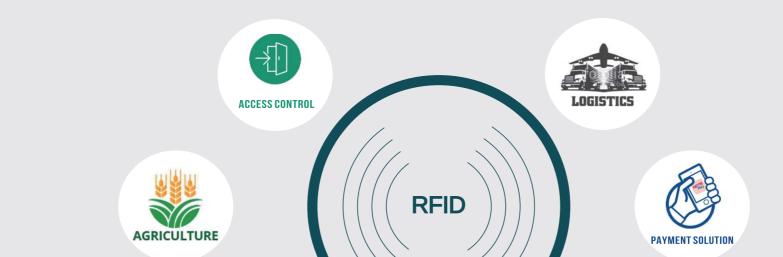
the appearance.

RFID (Radio Frequency Identification) card is a contactless smart card with RFID chip and antenna embedded inside. You can never tell what you hold is a normal PVC card or a RFID card just from

We provide passive RFID card for various application such as payment, access control, identification, transportation, etc. **ACCESS CONTROL**



RFID chip to change and store the data, and return to the reader, in order to complete the reading / writing

When the reader reads or writes the RFID card,

reader will send 2 parts of signals; one part is sent to the card, RFID card receive the signal and syntonize with the L/C to generate an instantaneous energy for supplying the RFID chip; the other part will order the

SUPERMARKET

RFID card is working together with a RFID reader and the system.

Things you need to know about RFID (passive) Frequency 3 frequencies: LF (Low Frequency)125 KHz or 134.2 Khz

operation.



Available for read only or readable and writable Signal is rather stable, data speed is low Can read one tag only at one time Usually used for access control and animal identification

different blocks and sectors for encoding, the main feature of NFC is it's NDEF format. And you can tell from its name

that the reading range of NFC is very short (NFC is short for Near Field Communication).

HF (High Frequency) I3.56 Mhz

Protocol: ISO II784 / II785

Short reading range, around I-5 cm

Suitable for high-security projects like financial, anti-counterfeiting, ID card, license, bank card, credit card, etc.

UHF (Ultra High Frequency), 840-960 Mhz

There are 2 standards that UHF often uses;

related policy (for readers only, tags and cards are not

Long reading range that could reach up to 15 meters

Anti-collision (multiple tags could be detected at one time)

Available for encryption, some supports AES-I28

Europe: 865-868 MHz

Readable and writable

Data speed is high

IMPORTANT NOTICE:

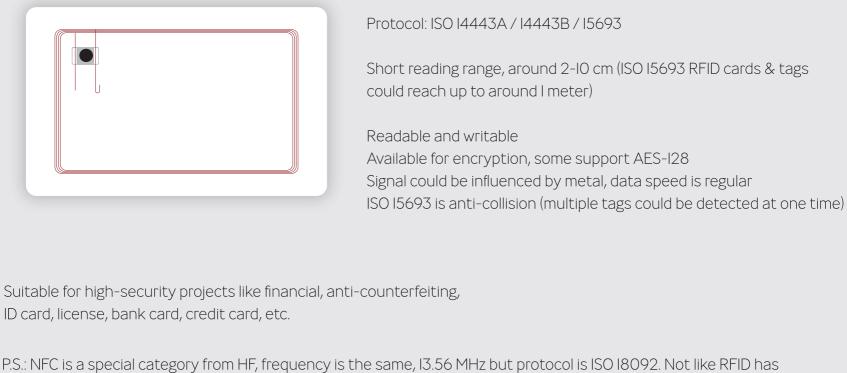
North America: 902-928 MHz

limited by these 2 standards)

Protocol: ISO I8000-6B / I8000-6C (UHF Class I Gen2)

Different countries will apply different standard as per the country's

Signal could be easily influenced by metal, water, wall, human body, etc.



Suitable for projects which require long-range reading,

garments sorting, logistic tracking, etc.

Overlay (optional)

Printing layer (front)

Middle layer (prelam)

Printing layer (back)

Overlay (optional)

such as vehicle' management, warehouse management,

Correspondently, there are 3 types of RFID readers to read and write the 3 different types of RFID card and tag; NFC card and tag should be read/written by an NFC reader.

P.S.: Nexqo also provides basic RFID and NFC devices (RFID reader, RFID UHF antenna and NFC reader) to fit clients' requirements.

the system, also, price differs a lot for different chips. So, if you are not sure which chip you are using, we are happy to receive a sample card for testing.

Regular size is CR80, other sizes can be customized

85.5mm

Simple demonstration on how to use a RFID card, door card for example

door, which could strengthen the security to a large extent.

when you use this card to open a door, the system will give an order to the lock to open it.

Data detected and

€ Link

★ Bluetooth

Telephone Number

@ Email

Things you need to know about RFID card & NFC card Dimension

There are many different chip types with the same frequency and protocol, and they are not completely compatible with

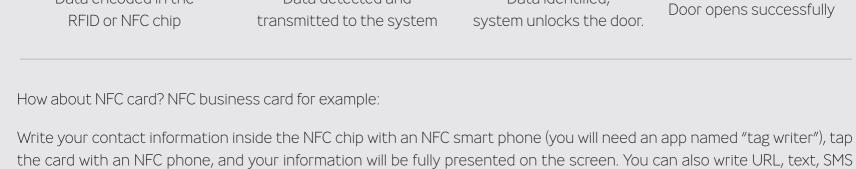
Each RFID chip has a unique ID number when manufactured, system will store and authorize this ID number so that

Some are more complicated that you might need to encode or encrypt some certain data inside the chip, only when the system recognized full information in the right sector and right block, it will give an order to the lock to open the

Data encoded in the

inside the chip to meet different needs.

Structure



Data identified,

NFC

Short reading range, around 5 cm

Can read one NFC tag only at one time

Signal could be influenced by metal, regular data speed

Readable and writable

Available for encryption

UEXCO.

Name:

ID No.: __

Dept: _

Geo Location Normally used for payment or anti-counterfeiting. Launch Application Plain Text □ SMS

Attention: UID and TID of RFID and NFC chip is unchangeable, we don't provide changeable UID RFID or NFC cards.

Nexqo provides hybrid (dual frequency) RFID cards, common combination could be as follows;

4.LF/HF/NFC/UHF + magnetic stripe Usually, HF and NFC will not be combined into one card because they are the same frequency, you might be confused by which chip is actually being detected. Need something special? Contact us for more details.

If you need to print personalized information on the card, an overlay is necessary in order to ensure the best printing effect. Also, please kindly inform us which part you need to print in

advance so that we can adjust the chip position.

I.LF + HF/NFC 2.HF/NFC + UHF

Parameter

Product Name

Material

Size

Working humidity

Working temperature

Data retention

Handling Precautions

Packing format

Special handling

Application

Available

printing method

further explanation.

Dimension

Packaging

10 boxes / carton

GW: I3 kg

85.5mm

RFID Card

5%-95%

10 years

Do not bend

1) Piece by piece

-20°C to +85°C

CR80 or customized

PVC, BioPVC, PET, Transparent PVC, Paper

3.LF + UHF

Check the image below to see what options we can

make for the finishing?

2000 pcs/carton. Customized packing requirement is available. Packing quantity 10 boxes/carton (actual quantity please follow the shipping mark) Packing details CTN size: 48*23*I4 cm, weight: I3 Kg

Cartons are all sealed with packing belt

2) 200 pcs per sealed poly bag, packed in a cardboard box.

Hotel key card, ID card, Transportation Card, Parking Card, Access control card, etc.

Offset printing, digital printing, silkscreen printing, thermal transfer printing,

dye sublimation printing, heat transfer printing, laser printing.

Disclaimer: Our recommendations are based on our latest knowledge and experience; we reserve all rights for

= 0.76mm 85.5mm

 \emptyset R=3.18mm

200 pcs / box GW: 1.5 kg