CharmLink Electronics

PRODUCT BROCHURE
CARDS 2024

About Us

Established in Shenzhen, CharmLink Electronics is at the forefront of the Internet of Things (IoT) industry, specializing in the application and promotion of intelligent products that leverage RFID and Bluetooth technologies. The company operates as a comprehensive entity encompassing manufacturing,research and development,and sales. Its business portfolio extends to a range of services including hardware products, software solutions, and integrated service packages.

High-quality hardware products are one of the core competencies of Charmlink. CharmLink product series for 2024 include card types, anti-loss types, jewelry types, label types, and gift types. We firmly believe that Charmlink's newly launched RFID and IoT series of intelligent products can bring people a safe, convenient, fashionable, and very pleasant consumer experience.

Another core competitiveness of Charmlink lies in the development of application software that matches the hardware devices. We provide membership management systems, online customization systems for corporate and personal web pages, and online customization of personalized information transmission solutions that are compatible with both RFID and IoT products.

While providing high-quality standardized software and hardware products, Charmlink also offers personalized custom services such as OEM, ODM, and turnkey solutions for enterprises and individuals. Charmlink diligently serves every customer around the world, and efficient instant communication, online demonstrations, and VIP door-to-door services make Charmlink widely popular among customers in the global market.

Different Surface Craft

Card Material	Surface Treatment Process	Advantages	Disadvantages
Metal Card	Polishing	Gives a shiny and sleek appearance.	May show fingerprints easily.
	Electroplating	Adds a luxurious look.	Can be costly and may peel over time.
Wood Card	Painting	Protects the wood and enhances the natural grain.	May yellow over time.
	Laser engraving	Creates detailed and unique designs.	Can be time-consuming and expensive for complex designs.
PVC Card	Silk-screen printing	Allows for vibrant colors and designs.	May fade over time.
	Embossing	Gives a tactile and three-dimensional effect.	

Brush

Mirror

Frosted


Matte

Different types of Metal

The NFC signal will be interfered by metal. Therefore, for all metal cards, the signal cannot be read on the metal surface and information cannot be exchanged. On the back of the metal card, we default to being made of PVC material.The back can read the signal and exchange information.

There are mainly four bonding methods for our front metal surface and back PVC: classic style, direct bonding; Premium Metal Card style with a large groove on the metal surface for perfect bonding; and also we can customize other styles bonding with circular or square small groove on the metal surface.
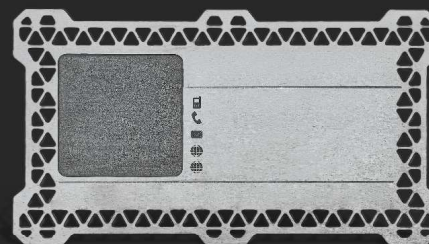
Premieum
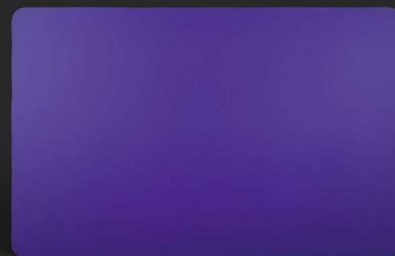
Classic

Round groove


Hollowed

Different Base Material

Metal, wood, and PVC cards are widely praised by customers. Each material is suitable for different scenarios and has its own advantages.

| Material	Advantages	Disadvantages
Metal	Durable, strong, stylish.	Heavy, may rust or corrode.
Wood	Natural look, warm feel	Prone to warping, cracking, moisture damage.
PVC	Lightweight, inexpensive, colorful.	Less durable than metal or wood.
Carbon Fiber	Lightweight, extremely strong, high-tech look.	Expensive, difficult to repair.

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Brass
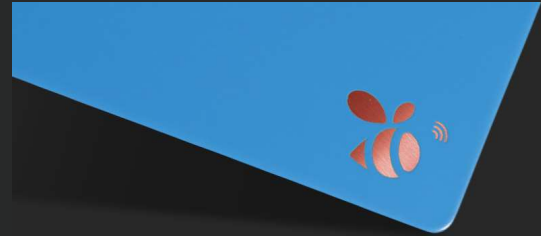
Copper

Stainless Steel
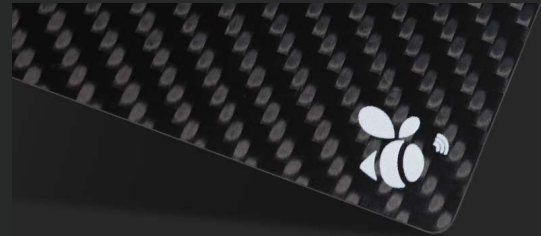
Carbon Fiber

Wood/Bamboo Card

Wooden cards are crafted from natural wood. They have a unique texture and a comforting warmth. These cards are eco-friendly and add a touch of elegance. Ideal for business cards, gift cards or as keepsakes. Each wooden card is distinct, making it a special choice.

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Sapele

Bamboo

Cherry

Color Painted

PVC Card

PVC cards are lightweight, durable and cost-effective. PVC cards can be printed with various designs and information. They are widely used for membership cards, access cards, gift cards and more. Easy to carry and customize, they are a popular choice.
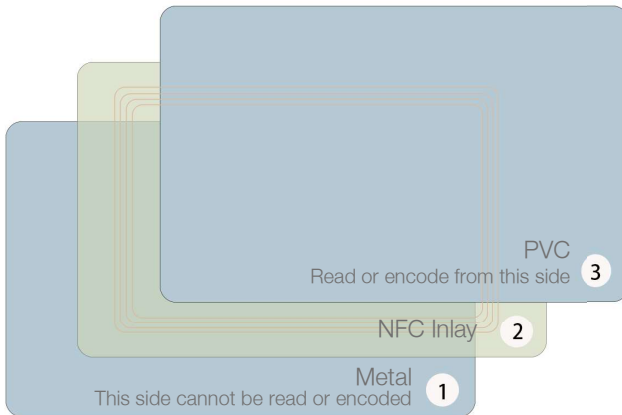
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Holographic

Brushed

Shimmer

Matte

Cards Structure

PVC
Read or encode from this side ③

NFC Inlay ②

Metal
This side cannot be read or encoded ①

NFC Chip Spec.

Type	NTAG213 NTAG215 NTAG216
Frequency	HF(13.56MHz)
Main protocol	ISO14443A
operation temperature	-20℃ ~+60℃
Read	Text,URL,Contact,Phone number,Location,etc.
Encoding /Erasing	Over 100,000 times
Encryption	Allow encryption and reset by the manufacturer ONLY
Lock	Cannot be reset by anyone

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Card Sizes

Credit Card Size
85.6 mm x 54 mm(3.346"x 2.125")

US Size
3.5" × 2.0" (89 mm x 51 mm)

We generally recommend you use the standard card sizes:

85.6 MM X 54 MM (3.3" X 2.2") - CREDIT CARD SIZE *
89 MM X 51 MM (3.5" X 2.0") - USA AND CANADA SIZE

* We suggest that we make your card slightly smaller than a credit card to 85.0mm x 54.0mm (3.35" x 2.1"), to enable it to be easily inserted or removed from a wallet or purse.

Optional Card Thinkness

0.5 mm
0.6 mm
0.8 mm
1.0 mm
1.2 mm
1.5 mm
1.8 mm

Card Colors

material	surface finishing	white	black	red	green	blue	purple	yellow	gold	silver	rose gold	plated 24k gold	plated pure silver
304 stainless steel	matte	■	■	■	■	■		■					
	brush	original steel				■			■	■	■	■	■
	mirror	■							■	■		■	
brass	matte	■	■	■	■	■	■						
	brush												
	mirror												
copper	matte		■										
PVC	glossy	■	■	■	■	■	■	■					
	matte	■	■	■	■	■	■	■					
	transparent	■											
wood	original	■	■	■	■	■	cherry	maple	beech	walnut	bamboo	sapele	linden

Remarks：Colors above avalaible in stock，other colors need customized

*Etching without any color looks great but in dim light or at night time cards may be harder to read. This is especially the case for our matt black cards and mirror cards. Please provide the Pantone or CMYK color code if you have one. We try to match colors as closely as possible but some colors tend to be slightly darker on metal cards. Please ensure to remove all gradients, drop shadows or transparencies.

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Cards Surface Crafts

Material \ Craft	Stainless Steel	Brass	Copper	Carbon Firbre	Wood	PVC
Matte	√	√	√	×	√	√
Frosted	√	√	√	×	×	√
Brushed	√	√	√	×	×	√
Glossy	√	√	√	×	×	×
Mirror	√	√	√	×	×	×
Gold/Silver Plating	√	×	×	×	×	×
UV printing	√	√	√	×	√	√
Full Color Printing	√	√	√	×	√	√
Silk screen Printing	√	√	√	×	×	×
QR CODE	√	√	√	√	√	√
Debossing	×	×	×	×	×	√
Embossing	×	×	×	×	×	√
Engraving	√	√	√	×	√	×
Etching	√	√	√	×	×	×
Hole Cutting	√	√	√	√	√	√
Epoxy	×	×	×	×	√	√

Our System Supprot
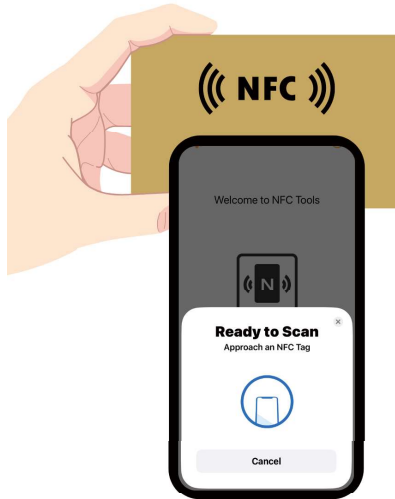
step 1
Scan the card

- Make sure NFC is enabled.
- For iPhone user, tap your card near the very top while the screen is unlocked.
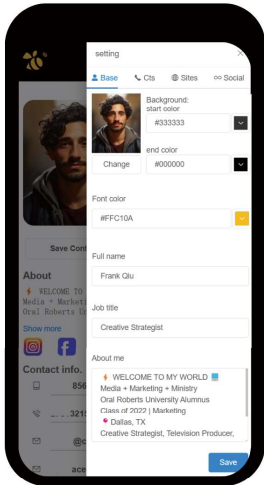- For android user, Tap your card near the middle.
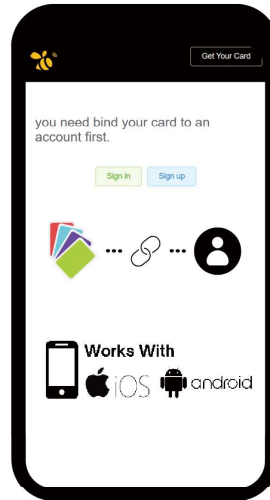
step 2
Register an account

- If you do not have an existing account, tap sign up to setup a new account
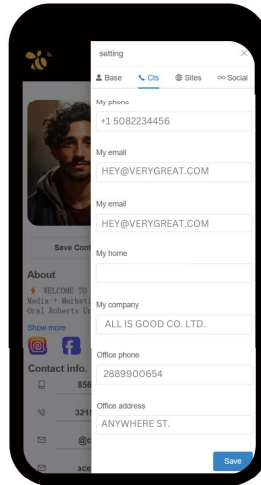 If you already have an account, simply log into your account.
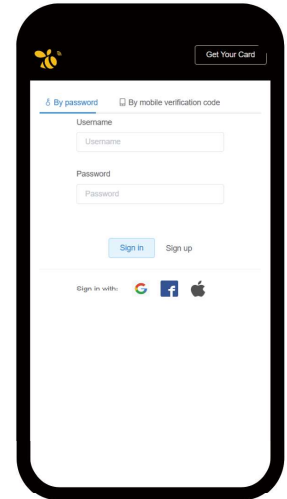
step 3
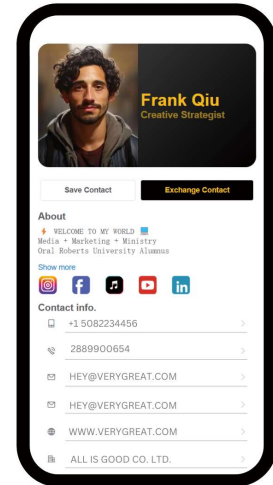### Log in your account

- Choose your preferred ways to log in or sign up.

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step 4
Design your own profile page

- Complete your basic information and choose your preferred appearance. Don't forget to click "Save" when you're done.

step 5
Enter your contact info

- Update your contact details and remember to click "Save" when finished.

step 6
Save your design

- Your personal page has been created. Enjoy exploring it!

Applications

Payment and finance	Transportation	Industrial manufacturing	Heal

Entertainment and gaming	Hotel and catering	Smart living and home	Education

NFC Basic Functions

Data Transfer	✓	Facilitates quick and easy data transfer between NFC devices.
Contactless Payment	✓	Enables contactless payments with a simple tap of an NFC device on a terminal.
Access Control	✓	Grants access to secure areas with a tap of an NFC card or device on a reader.
Tag Reading	✓	Allows reading NFC tags for data like product info and event
Device Pairing	✓	Streamlines device pairing, including speakers and headphones, with smartphones and more.

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thcare

Retail and logistics

Exhibition

Creativity

and culture

Real estate

Agriculture

Technology

Advantages

Convenience 👍 Simplifies tasks with a single tap: pay, transfer data, and more.

Speed 👍 Data transfer and operations are much faster than other methods.

Security 👍 Includes encryption and authentication for secure transactions and access.

Compatibility 👍 Works with many devices and systems for better compatibility.

Simplicity 👍 User-friendly for all, with no need for technical expertise or complex setup.
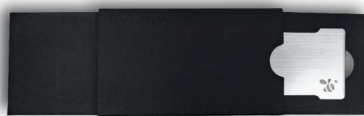
Card Packages

Book-style Packaging Box

Magnetic Packaging

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Premium Double Opening Pull-out
Packaging Envelope

Pull-out Packaging

Package Spec.

Product	Material	Size	Weight	Colour	Crafts
Book-style Packaging Box	Cardboard	121mm *121mm *20mm	88.6g	White/ Black	
Magnetic Packaging Box	Specialty Paper	135mm *100mm *10mm	40g	White/ Black	Gold Foil Stamping/ Silver Foil Stamping /UV/Digital Printing etc.
Double Opening Pull-out Packaging Box	Kraft Paper	120mm *95mm *3mm	16.5g	White/ Black /Kraft Paper	
Double Opening Pull-out Packaging Box	Cardboard	138mm *80mm *5mm	31.7g	White/ Black	

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