



**2024**

PRODUCT CATALOG



# MULTI- SCENARIO SOLUTION

Provider and Manufacturer of Electronic Shelf  
Label and other E-paper Products

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# COMPANY INTRODUCTION

120+  
Countries

20000+  
Stores

100+  
cooperative Brands

YalaTech, established in 2007, is a professional manufacturer specializing in intelligent electronic display tags. With extensive experience in software development, hardware and product design, solution deployment, and after-sales maintenance, we provide comprehensive expertise across all aspects of the industry.

Guided by customer-centric business philosophy, we focus on providing intelligent display solutions for retail, industrial, warehousing, and logistics sectors, helping businesses worldwide reduce labor costs and improve operational efficiency.

As of 2021, we have served customers in over 120 countries and more than 5,000 supermarkets and retail chains globally, enabling them to transition from traditional to modern retail models.

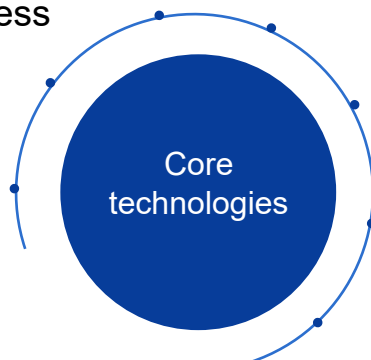
YalaTech holds 142 utility model patents and 11 invention patents in the electronic label industry. Our stringent quality control measures, overseen by 10 QC auditors with an average of five years' experience, have ensured a defect rate as low as 0.0018%.

With over 12 years of R&D experience and a dedicated team of more than 20 engineers, we are equipped to provide customized services and complete solutions tailored to customer requirements.

01. New Generation E-paper Display Technology

02. Ultra-low Power Wireless RF Communication

03. Computer Vision Recognition

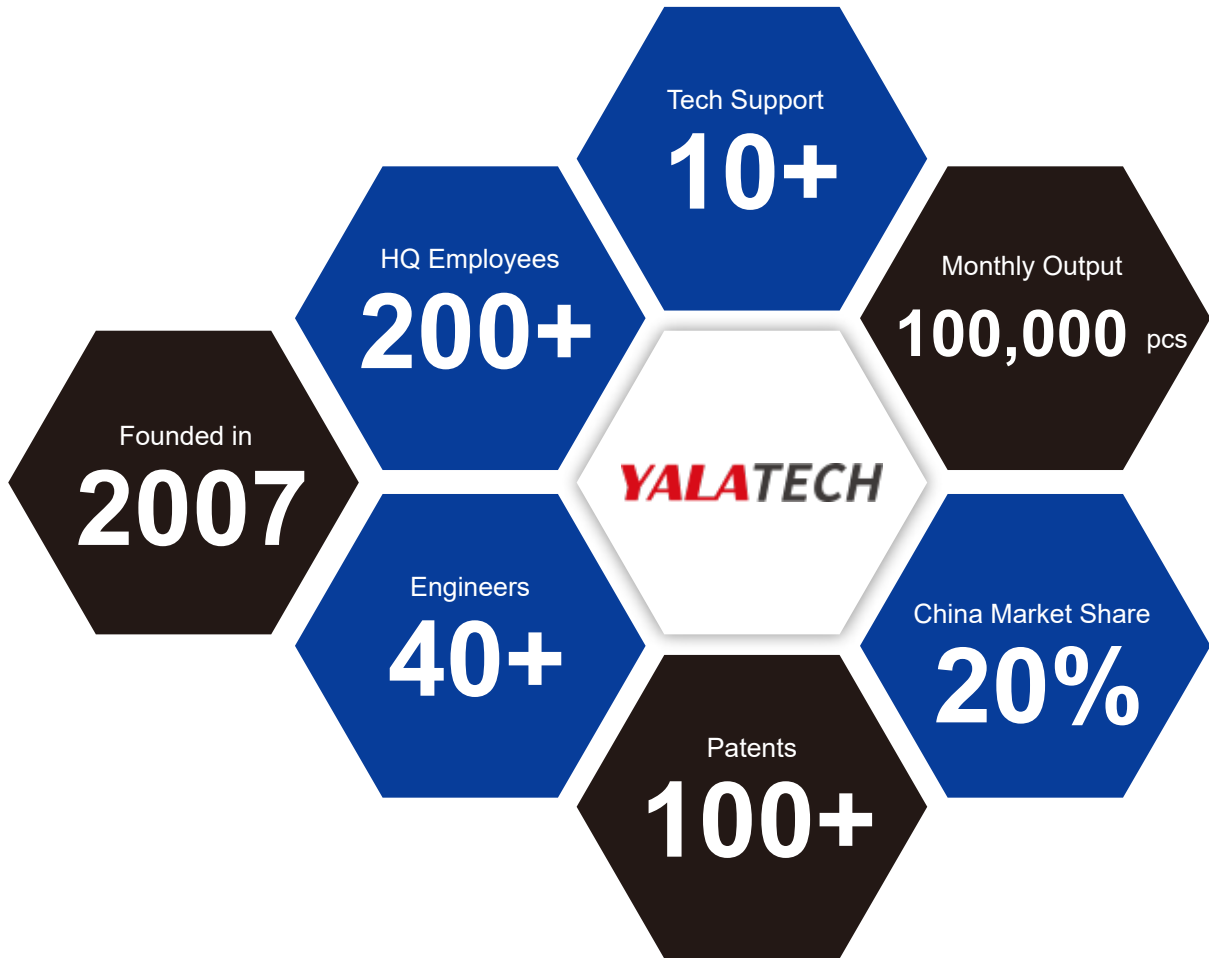


04. Digital Media Signaling System

05. Application Development

06. Cloud Service and Big Data

07. Internet of Things



## Brand Influence



Intel China Strategic  
Partner in retail industry



ESL supplier of China's No.  
1 retailer CR Vanguard



China Mobile Smart  
Store Strategy Partner



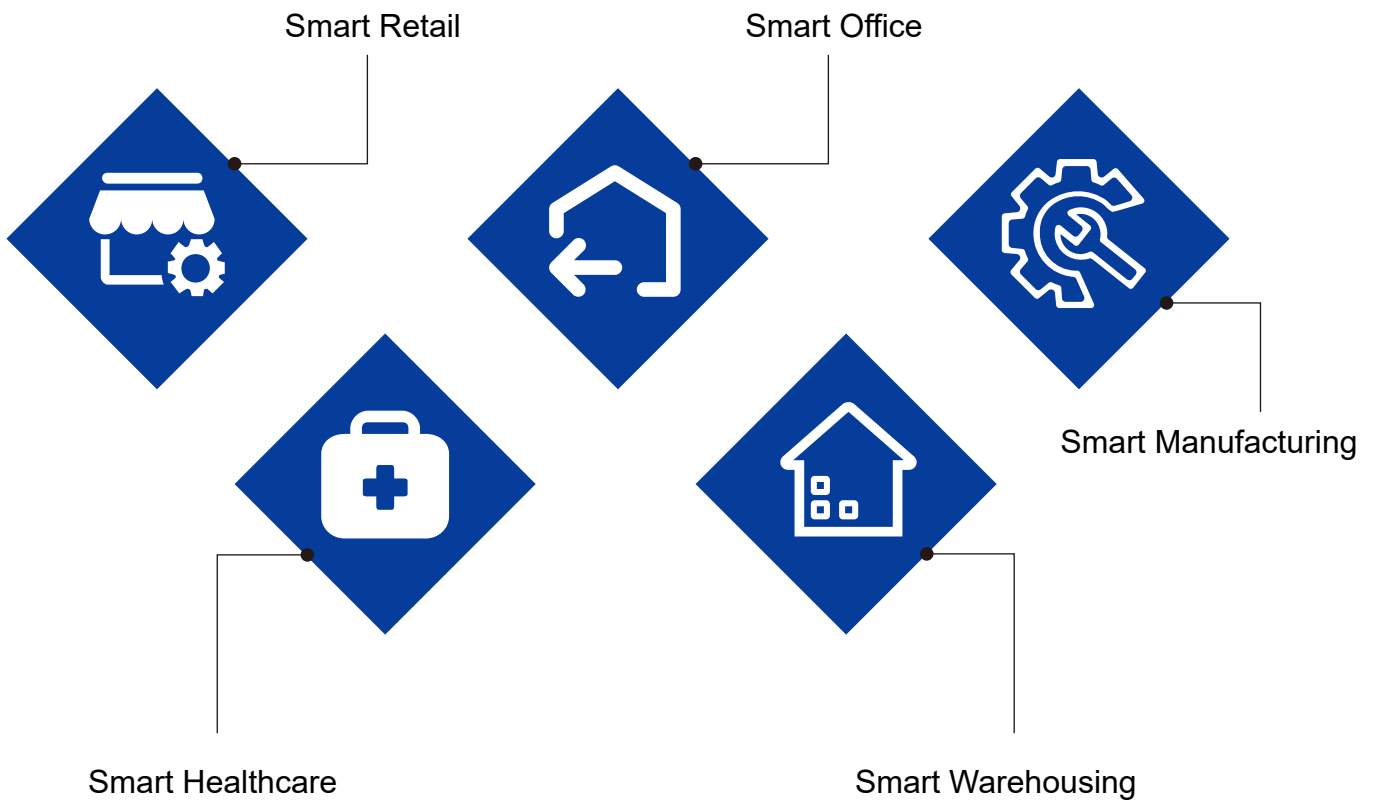
Microsoft Cloud  
Strategic Partner

# Multi-scenario Solution

## Provider and Manufacturer for E-paper Products



Based on our success in the field of retail electronic shelf label, to meet the diversified needs of customers, our product line has expanded to 5 scenarios as below.



## Product Matrix

According to the diversified needs of customers in different scenarios, we have formed a product matrix with strong advantages.

- Cloud ESL
- ESL Accessories
- Powerless Electronic Badge



### 01 /Cloud ESL

- High resolution fully graphic E-ink Display
- 2.4Ghz Zigbee private protocol
- Size: 1.54, 2.13, 2.66, 2.9, 3.5, 4.2, 4.3, 5.83, 7.5, 10.2, 12.5, 13.3 inch
- Normal temperature/ Freezer series/ Waterproof series
- Enterprise-grade reliability and enhanced durability
- 10 year battery life
- With API for easy integration
- Cloud and on-premises deployment

Applicable industries >>>



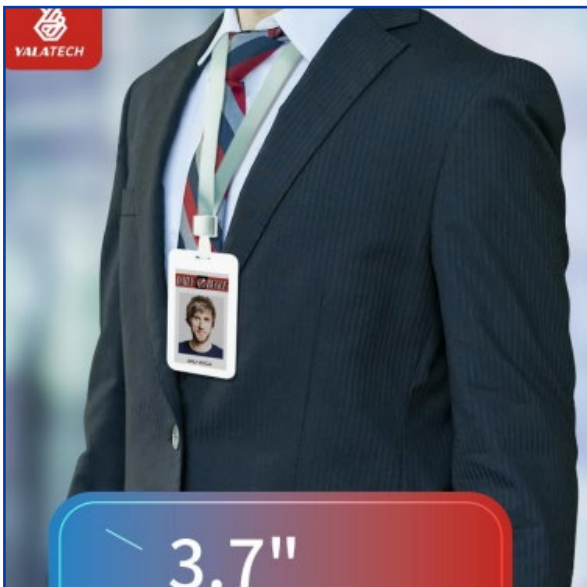
Retail



Healthcare



Manufacturing



### 02 Powerless Electronic Badge

- ePaper display, no power required
- NFC technology
- Ultrathin and lightweight
- With dedicated App and PC software
- Size: 3.7 inch

Applicable industries >>>



Education



Office





### 03/ ESL Accessories

- More than 20 models
- Suitable for various scenarios
- Includes rails, supports, stands, clips, adaptor, hanger
- In house design and manufacture

#### Applicable industries >>



## 01 Value of our ESL

**Price Management**

- Real-time price update
- Price synchronization
- Information synchronization

**Stock Management**

- Connect with your ERP
- Online / offline information synchronization
- Automatic update on stock status

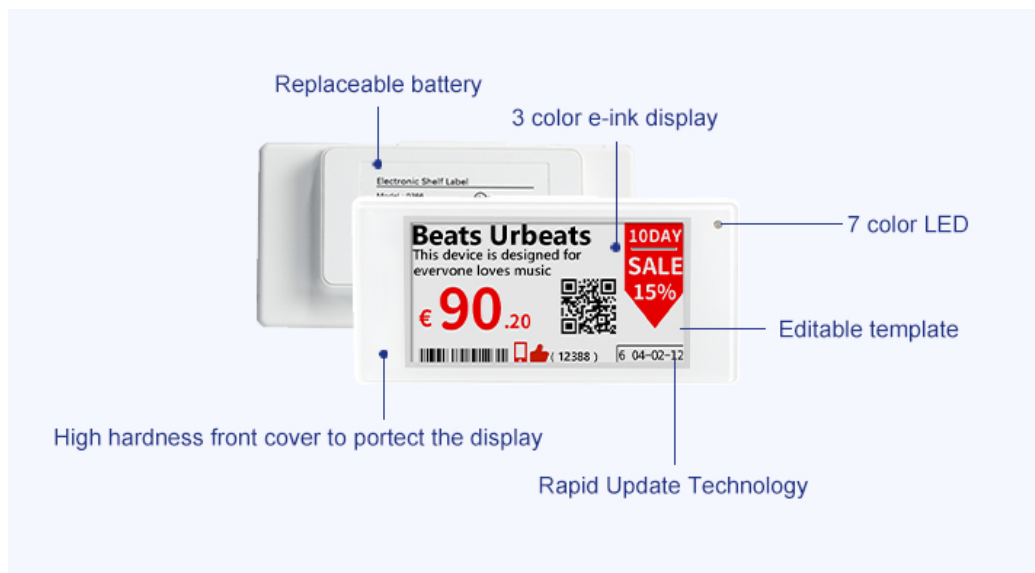
**Interactive Marketing**

- Customized QR codes
- BLE feature

**Order Picking**

- Route guidance
- Picking indicator

## 02 ESL hardware features



## 03 OUR CLOUD PLATFORM



### SaaS architecture Cloud Platform

- Worldwide Coverage
- Enterprise-grade reliability
- Full Scalable Server Capacity
- Unlimited Stores Support
- 128 Bit AES Encryption
- With API for easy integration

# Cloud ESL

Dot Matrix E-paper Display

Size: 1.54, 2.13, 2.66, 2.9, 3.5, 4.2, 4.3, 5.83, 7.5, 10.2, 12.5

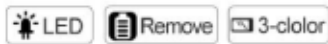


## 1.54 inch

Perfect for supermarket.



- Dimension(mm): 49.0\*37.6\*13.0
- Screen(mm): 27.51\*27.51
- Display Resolution: 200\*200 pixel
- Operate Temperature: 0°C--40°C
- Battery Life: 5-10 years

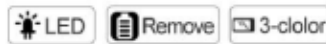


## 2.13 inch

Perfect for supermarket.



- Dimension(mm): 71.3\*35.6\*12.0
- Screen(mm): 48.55\*23.71
- Display Resolution: 250\*122 pixel
- Operate Temperature: 0°C--40°C
- Battery Life: 5-10 years

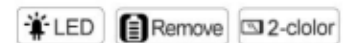


## 2.13 inch Freezer

Perfect for freezer zone of grocery store.



- Dimension(mm): 71.3\*35.6\*12.0
- Screen(mm): 48.55\*23.71
- Display Resolution: 250\*122 pixel
- Operate Temperature: -20°C--40°C
- Battery Life: 5-10 years
- Waterproof: IP67

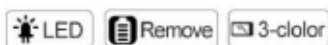


## 2.66 inch

Perfect in every type of department



- Dimension(mm): 85.8\*41.8\*12.0
- Screen(mm): 60.09\*30.70
- Display Resolution: 296\*152 pixel
- Operate Temperature: 0°C--40°C
- Battery Life: 5-10 years

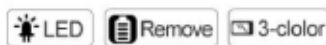


## 2.66 Freezing

Perfect for freezer zone of grocery store.



- Dimension(mm): 85.8\*41.8\*12.0
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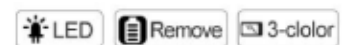


## 2.9 inch

Perfect in every type of department



- Dimension(mm): 91.2\*41.0\*12.0
- Screen(mm): 66.90\*29.06
- Display Resolution: 296\*128 pixel
- Operate Temperature: 0°C--40°C
- Battery Life: 5-10 years



## 2.9 inch Freezing

Perfect for freezer zone of grocery store.



- Dimension(mm): 91.2\*41.0\*12.0
- Screen(mm): 66.90\*29.06
- Display Resolution: 296\*128 pixel
- Operate Temperature: -20°C~40°C

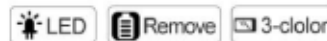


## 3.5 inch

Perfect in every type of department



- Dimension(mm): 100.5\*48.5\*12.0
- Screen(mm): 79.68\*38.00
- Display Resolution: 384\*184 pixel
- Operate Temperature: 0°C~40°C
- Battery Life: 5-10 years



## 4.2 inch

Perfect for promotion stand, fruit & vegetables and appliances section



- Dimension(mm): 99.2\*89.0\*12.0
- Screen(mm): 84.80\*63.60
- Display Resolution: 400\*300 pixel
- Operate Temperature: 0°C~40°C
- Battery Life: 5-10 years



## 4.2 inch Waterproof

Perfect for seafood, meat zone.



- Dimension(mm): 99.2\*89.0\*12.0
- Screen(mm): 84.80\*63.60
- Display Resolution: 400\*300 pixel
- Operate Temperature: 0°C~40°C
- Battery Life: 5-10 years
- Waterproof: IP68



## 4.3 inch

Perfect for promotion stand, fruit & vegetables and appliances section



- Dimension(mm): 129.0\*42.0\*12.0
- Screen(mm): 118.78\*88.22
- Display Resolution: 648\*480 pixel
- Operate Temperature: 0°C~40°C
- Battery Life: 5-10 years



## 5.83 inch

Perfect for promotion stand, fruit & vegetables and appliances section



- Dimension(mm): 134.5\*114.0\*9.0
- Screen(mm): 106.00\*31.50
- Display Resolution: 522\*152 pixel
- Operate Temperature: 0°C~40°C
- Battery Life: 5-10 years

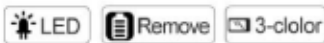


### 7.5 inch

Perfect for promotion stand, fruit & vegetables and appliances section



- Dimension(mm): 178.0\*127.0\*9.0
- Screen(mm): 163.2\*97.92
- Display Resolution: 800\*480 pixel
- Operate Temperature: 0°C--40°C
- Battery Life: 5-10 years

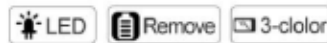


### 10.2 inch

Perfect for promotion stand, fruit & vegetables and appliances section



- Dimension(mm): 233 x 170.9 x 9
- Screen(mm): 215\*143
- Display Resolution (Pixel): 960 x 640
- Working temp.: 0~40 C
- Battery Life: 5-10 years

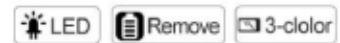


### 12.5 inch

Perfect for promotion stand, fruit & vegetables and appliances section



- Dimension(mm): 281.3\*229.0\*17.8
- Screen(mm): 252.98\*190.90
- Display Resolution: 1304\*984 pixel
- Operate Temperature: 0°C--40°C
- Battery Life: 5-10 years



## ESL Gateway (Access Point)



High Capacity

Superior Coverage

Easy Installation

Safety & Stability

### Specifications:

- Communication Distance: indoor 15-20 meters radius
- No. of ESL per gateway: 2000pcs
- Communication: 2.4Ghz Zigbee private protocol
- Working voltage: DC 4.8-5.2V
- Interface: DC-in port, POE, ethernet port

## POWERLESS E-INK DIGITAL BADGE

### Product Value

Replace traditional name badge to save the material and labor cost;  
Fast update within minutes, greatly improve word efficiency;  
Reusable for 5 years, eco-friendly;

### Product Value

Student card | Employee Badge | Employee  
Badge | Exhibitor Badge | Conference Use



Display type	E-ink,electronic paper dot matrix
Display size	3.7inch
Display color	B/W/R
Display area	47*81.5mm
Resolution	240*416px
Product dimension	111.8*64.5*5.5mm
Casing color	white
Power	Powerless solution
Communication	NFC, IC card
Working temperature	0-40°C
Storage temperature	-20~60°C
Working humidity	10-90%RH
Dustproof and waterproof grade	IP54





## ESL Accessories

We design and produce a variety of accessories to meet the installation and display needs of ESL tags in different scenarios. With our own design team and mold workshop, we can customize accessories according to your needs.

### Rails



#### E-DT01

- For shelf data strip
- Color: Transparent



#### E-DT02

- For shelf data strip
- Color: Transparent



#### E-DT03

- For shelf data strip
- Color: Transparent



#### E-DT04

- For shelf data strip
- Color: Transparent



#### E-DT05

- For metal tube shelf edge
- Color: Transparent



#### E-DT06

- For wire edge hooker
- Color: Transparent

### Hanging Kits



#### BOX-01

- Double-side ESL Hanging, no need promotion paper
- Options: Vertical & Horizontal
- Color: grey
- Material: PC
- Frame size: 160\*210\*37mm

**Table Stand**



**ST-01**

- For shelf data strip
- Color: Transparent



**ST-02**

- For shelf data strip
- Color: Transparent



**ST-03**

- For shelf data strip
- Color: Transparent



**ST-04**

- For shelf data strip
- Color: Transparent



**ST-06**

- For wire edge hooker
- Color: Transparent

**Vertical Clip for Flat Surface**



**CL-02**

- Suitable for hanger with diameter less than 15mm
- Thickness: 12-20mm
- Material: PC



**CL-03**

- Thickness: 12-20mm
- Color: transparent
- Material: PC



# The Main Technology Behind our Product

| Core Technical Advantages |

## 01 Wireless R F Communication

10+ Years Wireless Communication Technology

© Private protocol based on 2.4G technology

Ensure no interference and communication security; Automatic channel selection for stable use of ESL.

© Seamless roaming connectivity

Ad hoc networking for seamless roaming connectivity;

© Auto Connect & load balance

Automatically connection between ESL and base station.

© Bluetooth direct update

For non-base station condition use with mobile phone.



## 02 Ultra Low Power Solution

Smart algorithm that is efficient and power-saving.

© Low Power Display

E-ink display enables up to 10 years usage

© Smart sleep and wake-up algorithm

The smart sleep and wake-up algorithm of ESL enables less power consumption and 50%+ increase in battery life.

© The third generation compression algorithm

The image transmission compression rate is 70%-75%, without sacrificing the display quality, saves more power for ESL for longer use.

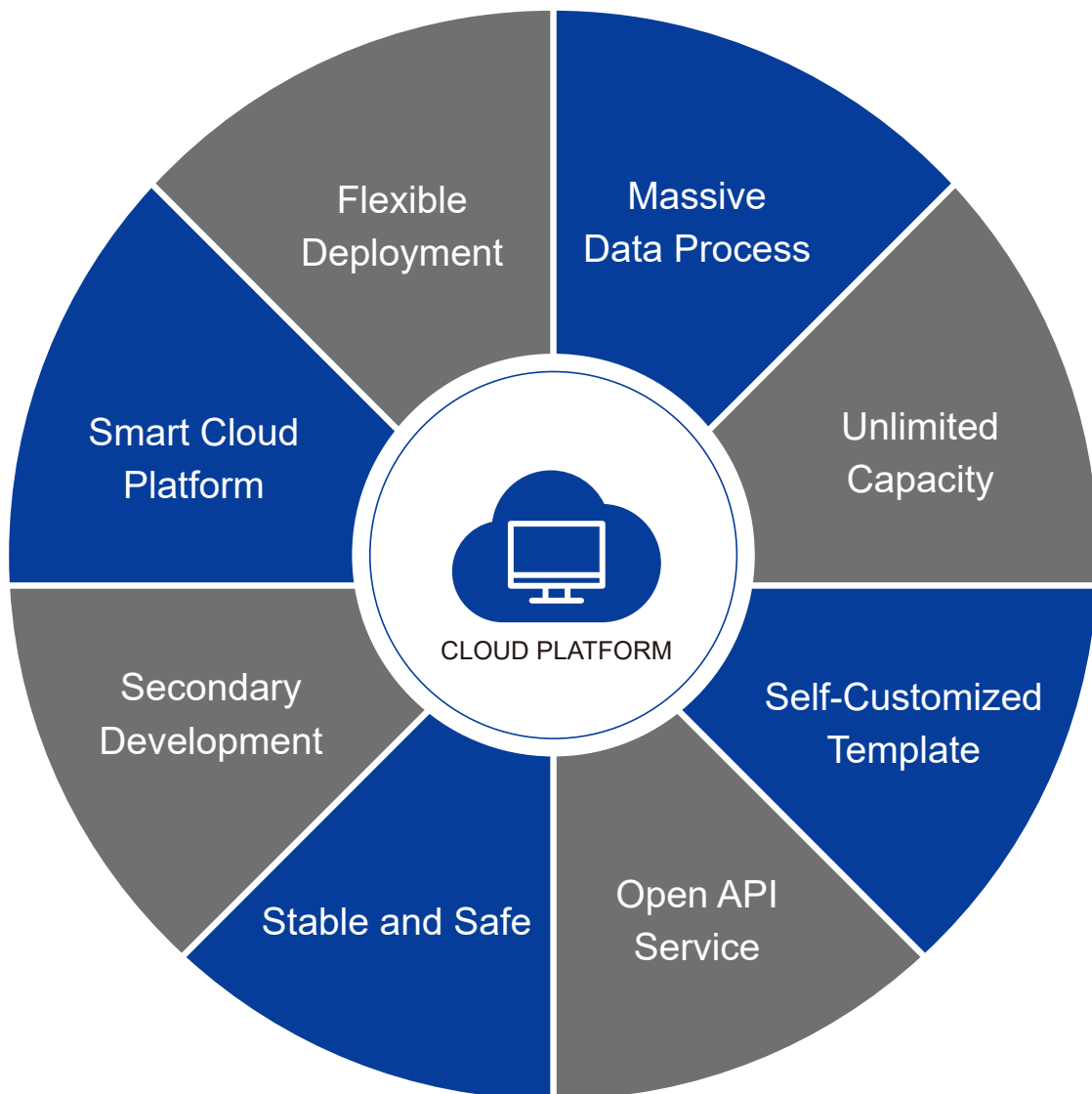


## The Main Technology Behind our Product

| Core Technical Advantages |

### SMART CLOUD

SaaS architecture Cloud Platform that has high reliability, stability, safety, efficiency, compatibility and extensibility.



## Why choose us?

**01**

### We are a company with long-term strategies and sustainable development

Founded in 2007, we started from the design and manufacturing of Retail Display products, now we have 300+ distributors and 5000+ store users all over the world.

**02**

### We are a well-known brand in Retail Technology Industry of China

We were selected as the supplier of Electronic Shelf Label by CR Vanguard, the number one retailer in China, a Fortune Global 500 enterprise with 95.1 billion annual sales revenue in 2019.



## 03 In-house capabilities from hardware to software

### R&D strength

We have strong technical accumulation in research and development, which brings market-competitive products and solutions to customers.



R&D personnel account for more than 30%



100+ inventions and patents

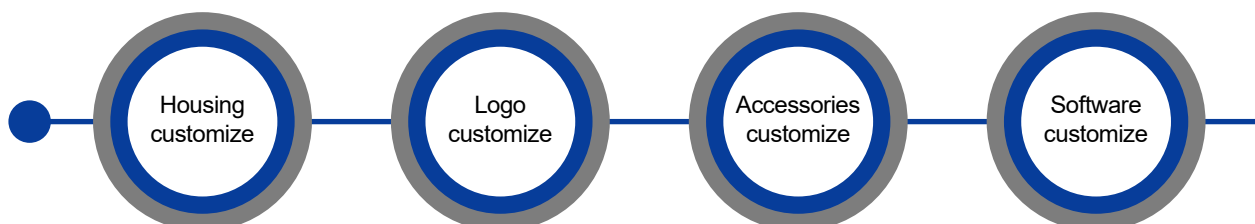


10+ Senior Product Manager

### In-house manufacturing



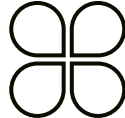
### Customized service for hardware and software



 **Service for Partner**  
**A Complete Set of Services**



Solution Consultant



Project Support



Subsidy Support



Technical Support



Maintain and Upgrade



Raining Service

## Level Up Partners' Competitiveness

To help our partners outperform competitors and win more business, We have developed various incentive packages to help them proceed our long-standing program across the globe, and entry more markets.

Know more about our incentive packages, you can contact our sales to get it.



## ▶ Customer cases



### HUAWEI

Country: UK  
Sector: Electronic Stores  
Year of installation: 2021



### Carrefour

Country: United Arab Emirates  
Sector: Chain Super market  
Year of installation: 2019



### Metro

Country: Slovakia  
Sector: Chain Super market  
Year of installation: 2020



### JD.COM

Sector: E-commerce Chain Stores  
Country: China  
Year of installation: 2020



### China Telecom

Sector: Telecom business hall  
Country: China  
Year of installation: 2020



### CR Vanguard

Sector: Chain Super market  
Country: China  
Year of installation: 2021



Scan the QR code to add our WhatsApp

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