

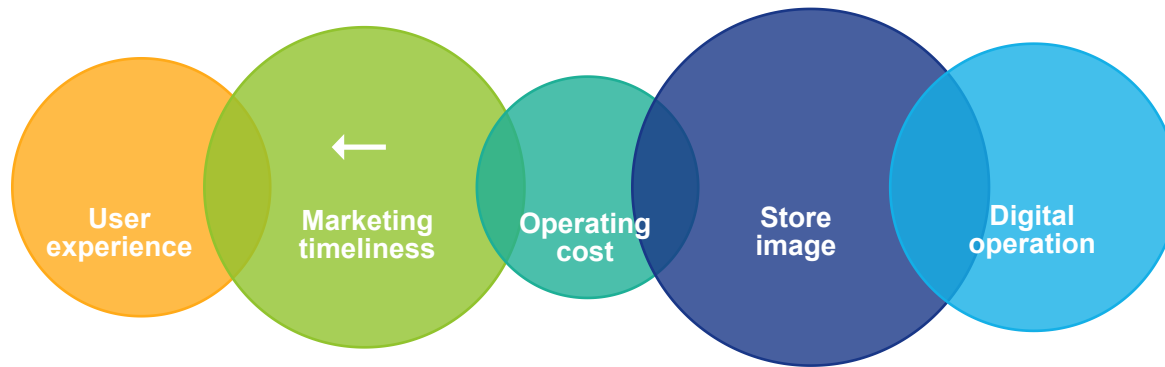


Sunvan Group

Electronic Shelf Labels

Based on Cloud
5.0 Bluetooth Technology

New Retail, New Trends



Online platforms + Offline assets

The core of the new retail is shift from operating commodities to operating customers. Through technology-driven whole process integration, the reconstruction of people, goods and field relationships can be realized, and product informationization, business digitalization and channel integration can be more efficiently.

Challenge of Retail



Applications



FRESH MARKET



DRUG STORE



WAREHOUSE

FASHION & BEAUTY



ELECTRONICS



GROCERY



GROCERY



SMART OFFICE



Office tablet

Check-in form

Guidance

Meeting room notification

Table

Archive sign

Staff card

Reader

Information board

Station card

Doorplate

MEDICAL

Diagnostic certificate

Bedside card

Infusion card

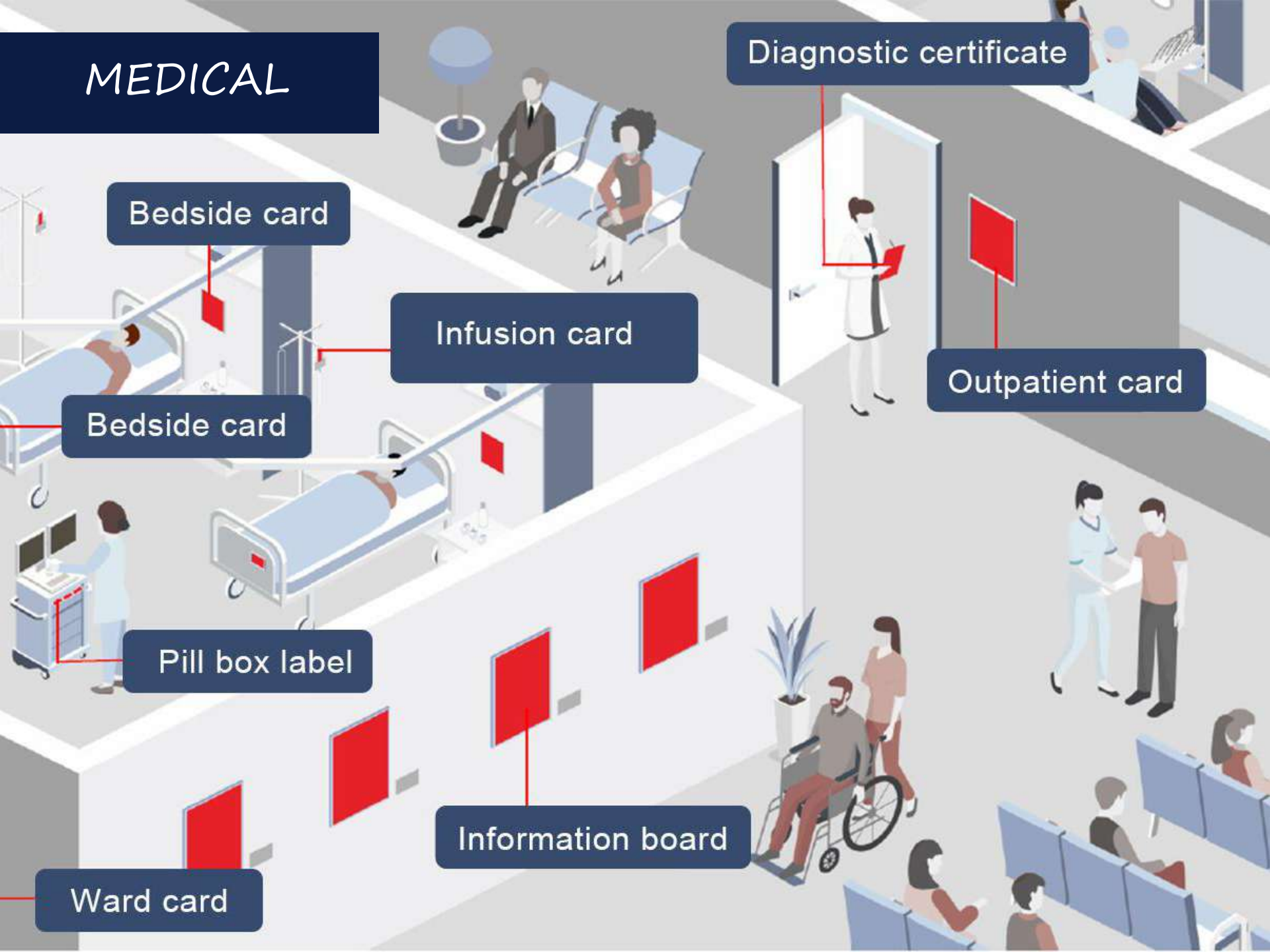
Outpatient card

Bedside card

Pill box label

Information board

Ward card

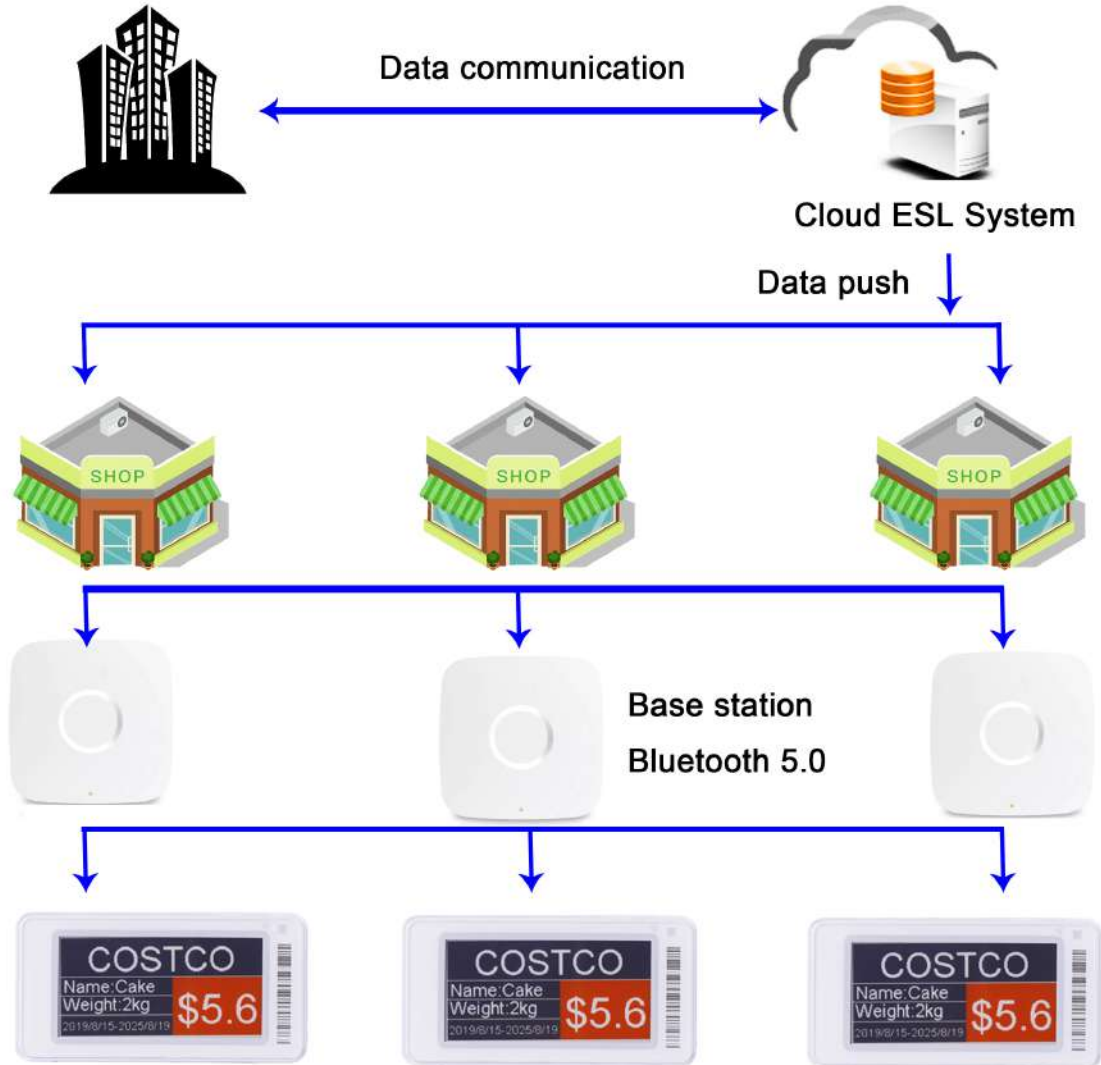





SMART PRICING BY CLOUD

*Leading the market, the only maturity cloud
architecture!*

Working Diagram



Data Security/Encryption



The cloud data is professional **AES 128-bit encryption**, and each of the electronic price label end uses a unique key to ensure data security of the cloud, base station and ESL.

In the era of big data, while using data to optimize business management operations, data security is a problem that every enterprise would consider. A stable, secure, and highly defensive cloud that allows merchants to use it with confidence is an invisible outstanding advantage of the electronic shelf labels' management system.



Automatic detection and early warning mechanism, the user can sample and observe in the platform, and select the round robin time according to the actual situation.

Working with 3rd Party System



Open API interface to connect various ERP systems



As a enterprise, realize the overall management of the headquarters, optimize the operation structure

The intelligent control ESL cloud management platform is responsible for communicating and managing the commodity database and the ESL database. It can run the ESL management software to query, add, delete and modify related commodity information in the database, and is responsible for remotely configuring and managing ESL devices.

- 1 Change product information with one click
- 2 No server required in the store
- 3 Support software remote upgrade
- 4 Multi-language optional
- 5 Huge data center, smooth experience



Compatible with All Operating Systems

Windows / Mac OS

Android / iOS

The visual operation interface is an outstanding feature of the intelligent ESL management platform. The staff only needs to perform corresponding operations on the platform running the intelligent ESL relationship system to complete the change and management of the product information.

The intelligent ESL management platform provides a visual ESL template editing function to provide users with a simple and easy way to use editing module.



3 Hours

Complete editing and learning

1 Time

Prepare for just 1 time

0 Cost

Template customization is free



Electronic Shelf Label



ESL is a smart display device with wireless function and for displaying information such as product name, price, origin, promotion, inventory and barcode.

1 | High quality EPD display

Original electrophoretic paper display from E Ink, clear reading, viewing angle close to 180 °

2 | B/W/R and B/W/Y

Three type:
Black-white
Black-white-red
Black-white-yellow

3 | Refreshing in seconds

The second level refresh rate is 99%+, and the five-year refresh times is up to 100W.

4 | LED + NFC

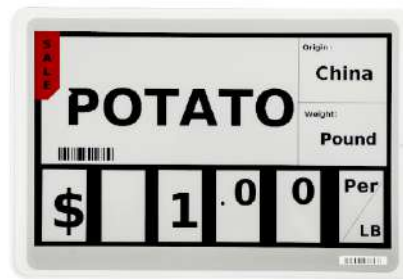
Add NFC + LED light auxiliary prompt, can expand the out-of-stock replenishment reminder and other functions



Model	SVC15V	SVC21V	SV21SF
Screen	EPD / E-ink Screen	EPD / E-ink Screen	EPD / E-ink Screen
Display color	White black red/white black yellow	White black red/white black yellow	White black red/white black yellow
Dimension	44.5*35.9*11.6mm	70*34.5.4*11.6mm	72*36.4*14.3mm
Working Temperature	0~40°C	0~40°C	-25° ~25°
Battery	600mA / 3 Years	1200mA / 5 Years	1200mA / 5 Years
Working frequency	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0
Communication Distance	30 Meter	30 Meter	30 Meter
Resolution	200*200	122*250	212*104
Light	LED Indicator	LED Indicator	LED Indicator



Model	SVC27S	SVC29V	SVC42V
Screen	EPD / E-ink Screen	EPD / E-ink Screen	EPD / E-ink Screen
Display color	White black red/white black yellow	White black red/white black yellow	White black red/white black yellow
Dimension	77.71*50*14.3mm	90*41*11.6mm	104.8*87*14.9mm
Working Temperature	0~40°C	0~40°C	0~40°C
Battery	1200mA/5 Years	1200mA / 5 Years	1200mA / 5 Years
Working frequency	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0
Communication Distance	30 Meter	30 Meter	30 Meter
Resolution	264*176	176*264	400X300
Light	LED Indicator	LED Indicator	LED Indicator



Model	SVC58V	SVC75V	SVC V
Screen	EPD / E-ink Screen	EPD / E-ink Screen	EPD - 0
Display color	White black red/white black yellow	White black red/white black yellow	White black red/white black yellow
Dimension	135.4*109.5*8.5mm	180.8*121.8*5mm	
Working Temperature	0~40°C	0~40°C	0~ 0°C
Battery	1200mA / 5 Years	2400mA / 5 Years	00mA / 5 Years
Working frequency	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 5.0
Communication Distance	30 Meter	30 Meter	30 Meter
Resolution	648*480	880*528	960*640
Light	LED Indicator	LED Indicator	LED Indicator

Wireless Bluetooth Base Station



Unlimited ESLs

A single base station can access up to 5000pcs electronic shelf labels.

30m diameter / 3000 m²

Built-in power amplifier, support up to 30 meters radius coverage distance.

Dual-band WiFi

Upgradeable as a WiFi probe device with powerful expansion

The base station is the bridge connecting server and the e-tags. The information is transmitted and managed between the ESL cloud server and the ESLs through the base station.

When the merchandise information updated on cloud system, the Bluetooth base station will send the signal to the ESLs. And the feedback information informs the POS system, then update product information.



CORE ADVANTAGES OF SUNVAN GROUP

*R&D innovation, Production solid, Data market,
New generation enterprise*

R&D and Patent Certification

Focused on intelligent hardware, wireless connectivity and new retail, SUNPAI has established several research centers and test labs in Hangzhou/Beijing, China, engaged in mechanical, electronic and technological development.

Vibrant research and development

72% of R&D personnel
15% of revenue input
10 years of industry research and development experience



65 certifications and patents

ISO 9001 Quality System Certification
Invention and utility model patent
Software & Hardware Full Coverage
CE, ROHS and other export certification





Production, Manufacturing and Quality Control

Automated million-level capacity



Monthly wireless product capacity of 200,000 units,
electronic price tag products 1 million pieces

SMT/DIP/injection/assembly full line

End-to-end supply chain control, maximizing cost and delivery

Flexible customization and response

Meet customized, flexible supply chain production and deliver quickly

MES+ERP refined quality management

Bar code level material and process management, real-time collection, analysis, processing
of production data

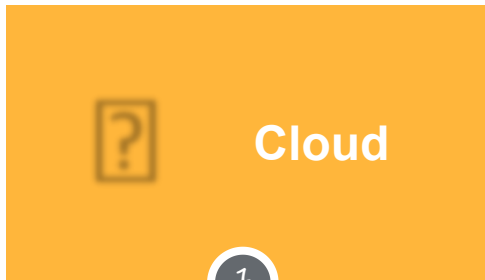
A Glance of Workshop



OUR TARGET

To provide high-quality, low-cost products to more partners with strength and experience, and continue to introduce ESL solutions for various industries.

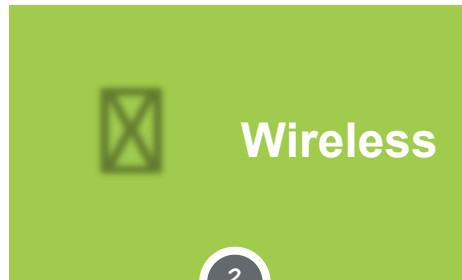
Core Competitive Advantage



1

SaaS Cloud Architecture

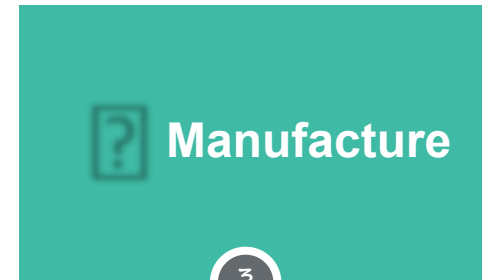
- The first cloud architecture ESL
- Centralized unified management and analysis of data
- Fast delivery, easy to use
- Support both private and local deployments
- The mainstream trend of the future has been laid out in advance



2

More than 10 years of wireless R&D experience

- Price tag + base station seamless connection experience
- More future expansion of Bluetooth connectivity
- Signal optimization in high volume deployment
- Core technologies such as wireless roaming and load balancing
- Agile customization of various wireless systems



3

End-to-end cost control

- Good relationship E-ink factory
- Strict component supply chain and cost control
- Own electronic processing workshop such as SMT/DIP
- Own injection workshop + finished assembly workshop
- Full digital quality control further reduces costs

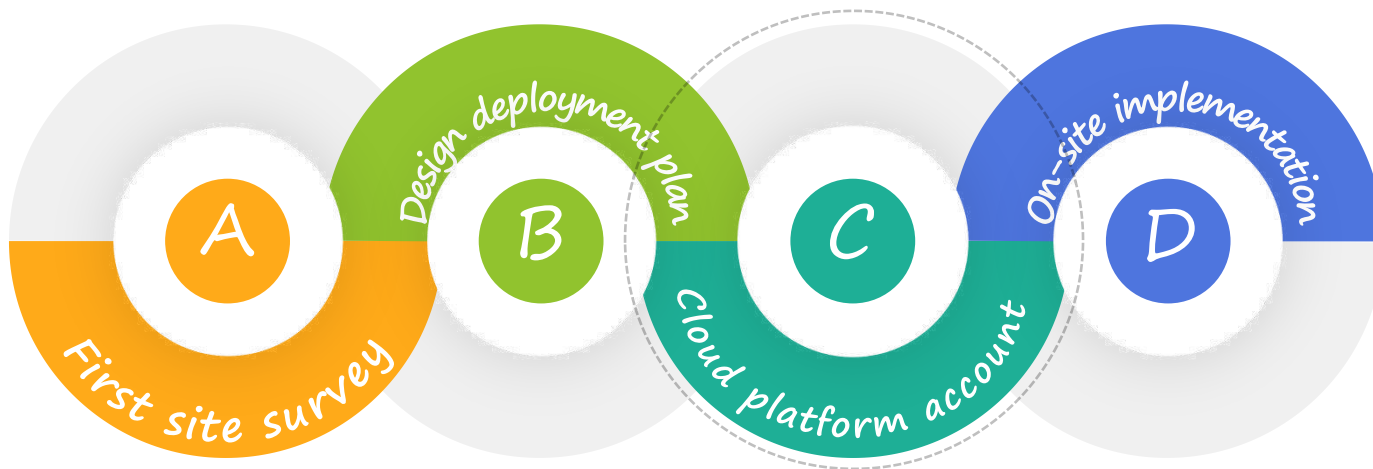




HOW TO DEPLOY

*Provide professional and customized cloud
ESL system design and deployment*

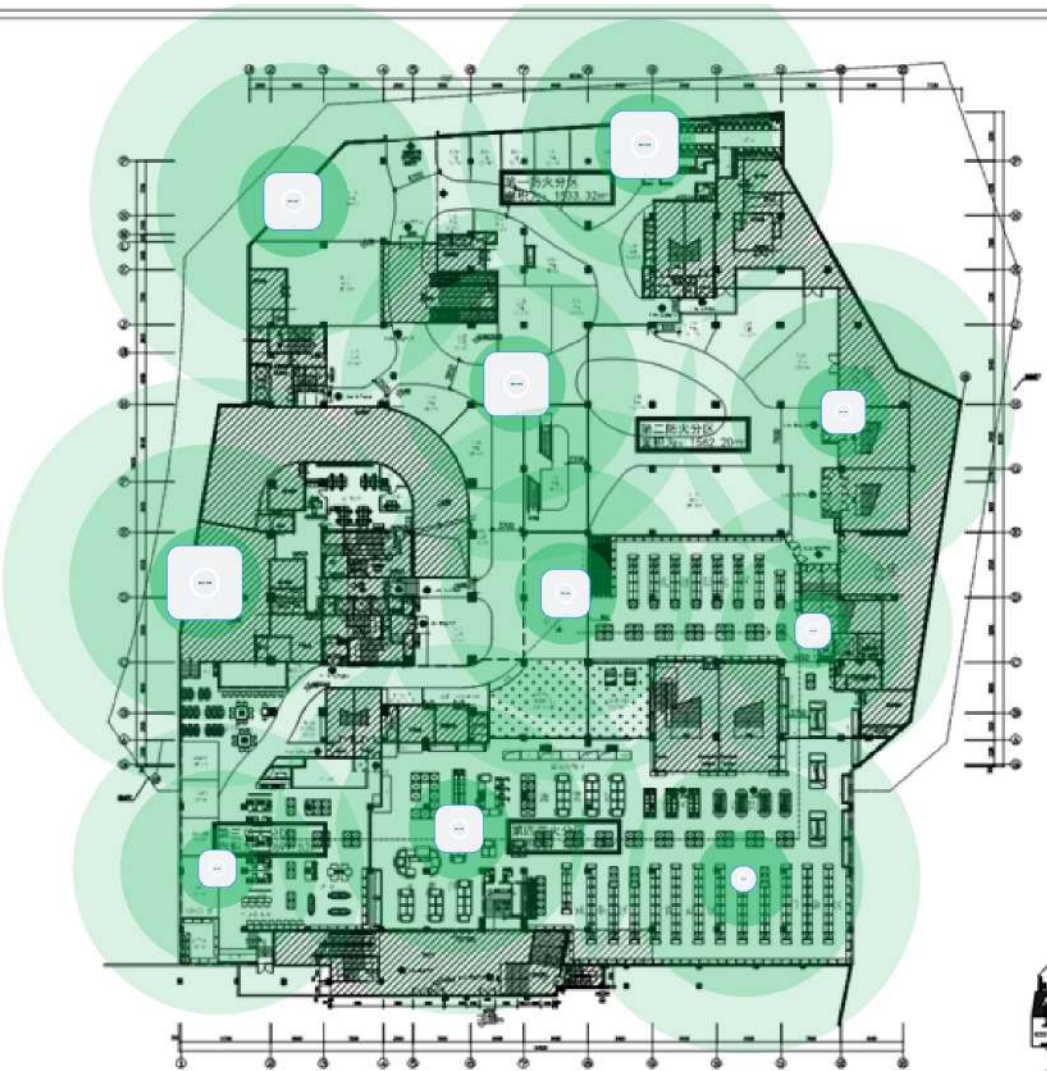
Deployment Process



SUNVAN GROUP has a complete set of process deployment methods. The site will be field surveyed, and the complete deployment plan including price tag, base station, accessories and network will be designed according to the situation and characteristics of different stores, and the cloud management platform account will be opened for the merchant, and the template customization function will be enabled. Professional and technical personnel complete the on-site implementation work and training of store staff.



图例



品类	数量
基站	2720平方米
天线	31个
馈线	33个

负一层平面图

图例	说明
1	基站
2	天线
3	馈线

Base Station

3000 square meters store - number of base stations: 10
Scientifically design base station layout to ensure smooth communication between price tag and system

Accessories

According to the specific specifications and conditions of the shelf, it is suitable for a variety of display scenes.

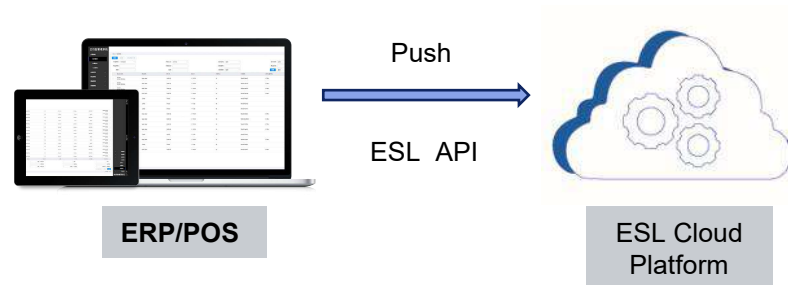


Various choice of accessories can be adapted to all customers' scenarios

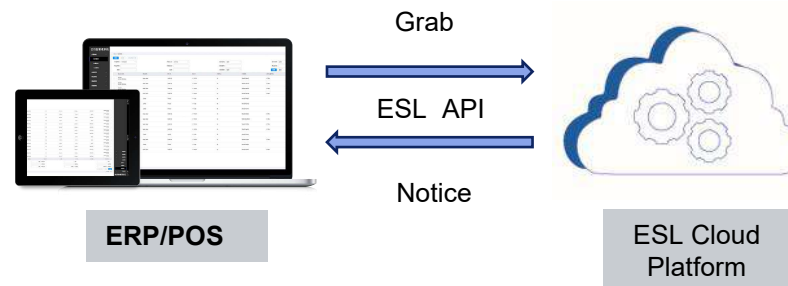


Data Sync

- 1 Register brand account**
Support global multi-store deployment
- 2 Data API acquisition**
Different data acquisition schemes for large supermarkets and small retail chain stores
- 3 Commodities data sync**
Web API, Ali Taobao API docking, cloud platform Excel, CSV import



The real-time corresponding commodity data changes, the cloud management platform has less overhead, and is suitable for large-scale supermarket customers.



The ERP docking development is small, and it is suitable for small chain stores that do not change the product data. CSV is the same.



Customer case

*The electronic shelf labels core supplier of Alibaba's
Hema Fresh*

Focus on Each Different Shelf



Customer case - Shoes



OMNI-CHANNEL
FASHION RETAILING



Customer case: 3C store



Promotion price is more eye-catching



B/W/R or B/W/Y color display



Sci-Fi customized accessories supported

Sunvan Group

SUNVAN(SHANGHAI) ELECTRONICS TECHNOLOGY CO., LTD

WEB:

www.sunvangroup.com

TEL: +86 21 60901394

EMAIL:

info@sunvangroup.com