Wifi ESL Solution Introduction

Smart Electronic TAG

Intelligent Retail

Intelligent Manufacturing

Intelligent Warehousing

Dalian Sertag Technology Co.,Ltd
www.eslmfg.com

SERTAG
SMART TAG LEADER

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PART 01

Company Profile

Company Profile

Dalian Sertag Technology Co.,Ltd. is a professional visual intelligent tag system manufacture which has rich experiences in visual tag development, design, deployment and maintenance. And also be the first batch of intelligent tag R&D and design company in China.

Sertag commits to provide turnkey solution of visual intelligent tag system to our customer abide by “Customer-oriented” business philosophy, and dedicates for the development of the global internet, retail, manufacturing, warehousing and logistics industry .

From the system quality stability, system cost, product appearance and other aspects of the definition of product characteristics, to provide customers with the most reliable, the best cost-effective intelligent tag system. Help customers to reduce costs, improve work efficiency, improve customer competitiveness.

PART 02

Product Introduction

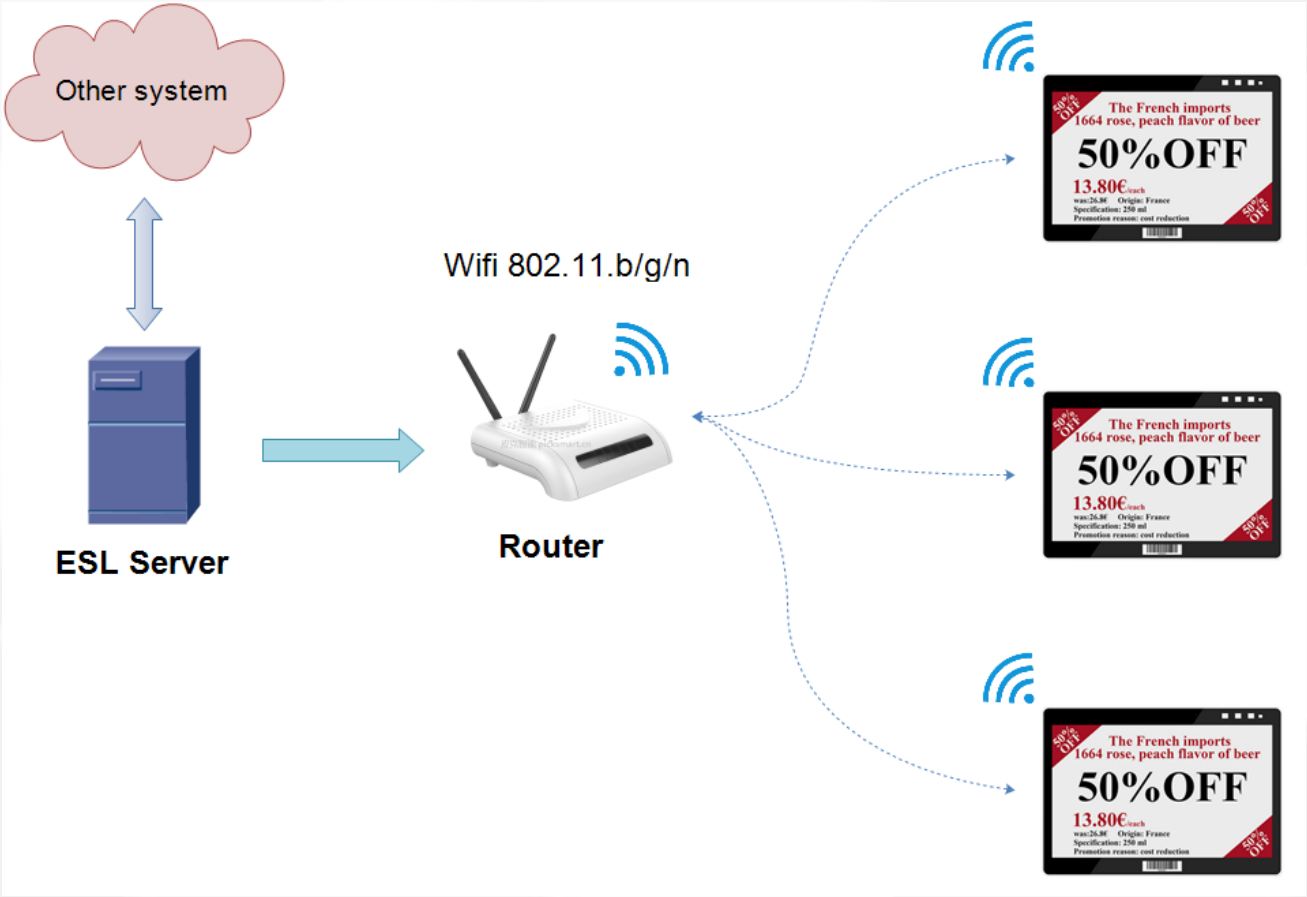
Innovation

- 7.5 inch Eink screen display
- WIFI wireless communication, minimal deployment, remote control
- Button and LED indicator
- 640 * 384 dot matrix screen
- Lithium battery power supply support USB charging or Disposable large-capacity battery
- DIY interface supports text / barcode / QR code / picture
- Ultra-low power consumption / ultra-long life, can be used for one year on one charge
- Based on the existing Wifi environment, no intermediate equipment is required

Characteristics and benefits

- operation convenience
- Easy and fast deployment
- paperless operation
- Reduce operator training time
- Reduce labor costs, management costs, etc.

System Structure

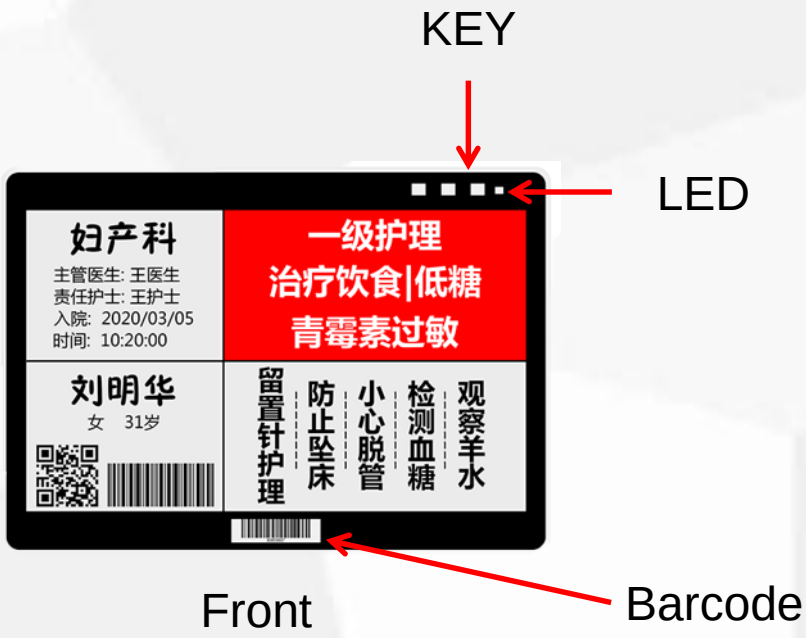


Every certain period of time (the length can be set), the tag will actively ask the server if there is any data that needs to be updated, if it is updated, otherwise it will continue to sleep

Electronic label

Model ： ESL_WIFI_7.5

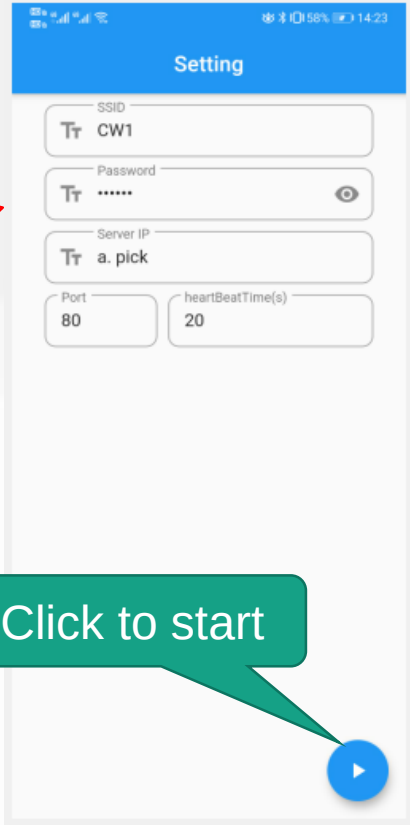
- E-ink screen 7.5 inches, black, white and red
- Comes with button and LED
- Label ID Barcode displayed on the front
- WIFI wireless communication
- LED status indicator
- Resolution 640 * 384, support character, barcode, QR code, three-color picture display
- Length, width and thickness: 180x130x13mm
- Power supply: built-in lithium battery, commonly used to charge one year or Disposable large-capacity battery（8000mAH）
- Battery capacity: 3000mAh
- Charging interface: Type-C charging interface
- Display template style can be DIY



Instructions

Step 1: Set wifi hotpot ("ESL" "123456789") and then open the mobile APP to set the parameters:

- Wifi account \ password in the environment
- Server address \ port
- Set the heartbeat time of the label



Step 2: Use a pin-shaped object to trigger the button in the hole next to the USB on the back of the device (make the label enter the configuration mode)

At this time, the tag will automatically connect to the hotspot named ESL, and once the connection is successful, new parameter information will be written

Step 3: Enter the operation interface to modify the content. Each time the heartbeat time is reached, the label will go to the server, if there is new content, download it to the label to update the screen, if not, continue to sleep

Note: directly click the button on the front panel to wake up the label for real-time data download

System docking interface

HTTP protocol interface, Json format, examples are as follows:

http://localhost/ESLS/associate/updateScreen
代码形式：

```
{
url : http://localhost/ESLS/associate/lightTags,
requestMethed : POST,
requestParameter:{
[
{
                    "mac":"99.99.33.35",
                    "mappingtype":1,
                    "styleid":10,
                    "编码":"08071235",
                    "库位":"A3-33-12-2A",
                    "高水位":50000,
                    "低水位":30000,
                    "数量":5000
},
],
response:{true}
}
```

The local server USES localhost, and the non-local server changes localhost to the HOST IP address of the server

参数	功能	描述
mac	墨水屏ID	需要更新的墨水屏ID号
mappingtype	字段映射关系	字段映射关系类型，默认1
styleid	模板样式ID	选择不同的模板样式，默认1
编码	显示内容	参数名可以自定义
库位	显示内容	参数名可以自定义
高水位	显示内容	参数名可以自定义
低水位	显示内容	参数名可以自定义
数量	显示内容	参数名可以自定义

Note：

The template is DIY designed in our system. Each template has a template number. When docking, you only need to send the corresponding template number and field content, and our system will make it according to your template style. Interface data, a heartbeat cycle comes, the data can be refreshed to the screen

Fixed

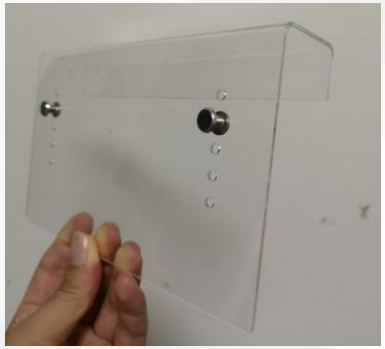
1.Sling fixation

2.Album hook fixed

3. Double-sided tape fixed

Accessories

Wall mount



Seat hanger

Desktop stand

Customized

Power supply

1.Built-in polymer lithium battery, capacity 3000mAh

Charging current: 5V 1A

2.Disposable large-capacity battery is available.

Type-C charging interface

Multi-function operation interface

Through the background management interface, to achieve comprehensive management and control of information.

- Web-side software, you can remotely control tags by entering the URL
- View tag status in real time
- Label display style template customization
- System software supports cloud and local private server deployment
- Quickly refresh and light up
- Simple docking interface
- Minimalist management, minimal deployment
- Display content support: text, barcode, QR code, background picture
- Multi-account management background

PART 03

Our Customers

Our Customers

Retailers

Home Retail Industry

3C Retail

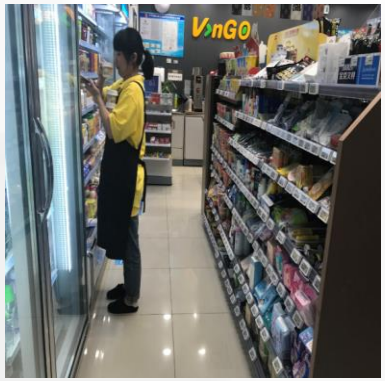
Others

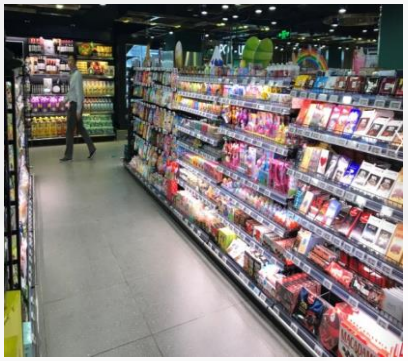
Industrial

Bakery

bookstore...

Our Customers





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