

# SMART RETAIL PRODUCT BROCHURE



**CONTACT US**

[www.iepaper.com](http://www.iepaper.com)

[info@iepaper.com](mailto:info@iepaper.com)



# CONTENTS

- COMPANY PROFILE
- PRODUCT INTRODUCTION
- IePaper CLOUD ESL SYSTEM
- CORE ADVANTAGES
- INDUSTRIES & CASE STUDY

# ➤ COMPANY PROFILE



**Less paper    more green    caring for earth**



- iePaper is a system integrator focused on ePaper for innovative applications in various industries. The company is committed to achieving a green technology transformation of traditional paper through ePaper display technology, reducing carbon dioxide emissions while digitizing, and building a low-carbon smart interconnected world.
- iePaper products cover various IoT application areas such as smart retail, smart healthcare, smart education, smart office, smart transportation, smart civil aviation, smart industry, and smart logistics, providing related solutions, smart hardware, system integration, and comprehensive solutions.

# ➤ PRODUCT INTRODUCTION

## Electronic Shelf Label

New generation of ESLs enable stores necessary functions without installing servers. Combining Blue- tooth, Wi-Fi, and Cloud Technology to most valuable solutions.



## ESL Shield Series

Dot Matrix EPD Black/White/Red (Yellow)



### 2.66 " Screen

Dot Matrix EPD Black/White

Size : 83\*41\*12.4mm  
Screen : 60.09\*30.7mm  
Operate temperature : -25-25°C  
Resolution : 152\*296

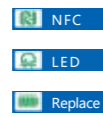


### 1.54 " Screen

Dot Matrix EPD Black/White/Red



Size : 44.5\*35.9\*11.7mm  
Screen : 27\*27mm  
Operate temperature : 0-40°C  
Resolution : 200\*200 (high resolution)

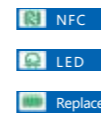


### 2.13 " Screen

Dot Matrix EPD Black/White/Red



Size : 70\*34.5\*11.5mm  
Screen : 48.6\*23.7mm  
Operate temperature : 0-40°C  
Resolution : 122\*250 (high resolution)



### 2.7 " Screen

Dot Matrix EPD Black/White/Red

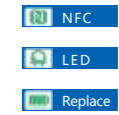
Size : 77.7\*50\*11.7mm  
Screen : 57.29\*38.19mm  
Operate temperature : 0-40°C  
Resolution : 176\*264



### 2.9 " Screen

Dot Matrix EPD Black/White/Red

Size : 90\*41\*11.1mm  
Screen : 66.9\*29.06mm  
Operate temperature : 0-40°C  
Resolution : 128\*296

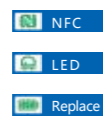


### 2.13 " Screen

Dot Matrix EPD Black/White



Size : 70\*36\*12.5mm  
Screen : 48.55\*23.7mm  
Operate temperature : -25-25°C  
Resolution : 104\*212

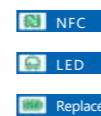


### 2.66 " Screen

Dot Matrix EPD Black/White/Red



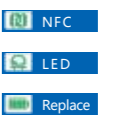
Size : 83\*41\*11.1mm  
Screen : 60.09\*30.7mm  
Operate temperature : 0-40°C  
Resolution : 152\*296



### 3.7 " Screen

Dot Matrix EPD Black/White/Red

Size : 104\*56.4\*11.7mm  
Screen : 81.54\*47.04mm  
Operate temperature : 0-40°C  
Resolution : 416\*240



## ESL Valley Series

Dot Matrix EPD Black/White/Red (Yellow)



### 1.54 " Screen

Dot Matrix EPD Black/White/Red



Size : 44.5\*35.9\*12.1mm

Screen : 27\*27mm

Operate temperature : 0-40°C

Resolution : 200\*200



### 1.8 " Screen

Dot Matrix EPD Black/White/Red

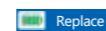


Size : 52.5\*35.9\*10.5mm

Screen : 36.06\*27.05mm

Operate temperature : 0-40°C

Resolution : 168\*224



### 2.13 " Screen

Dot Matrix EPD Black/White/Red



Size : 70\*34.5\*12.1mm

Screen : 48.55\*23.7

Operate temperature : 0-40°C

Resolution : 122\*250



### 2.66 " Screen

Dot Matrix EPD Black/White/Red



Size : 83\*41\*12.1mm

Screen : 60.09\*30.7mm

Operate temperature : 0-40°C

Resolution : 152\*296



### 2.9 " Screen

Dot Matrix EPD Black/White/Red



Size : 90\*41\*12.1mm

Screen : 66.9\*29.06mm

Operate temperature : 0-40°C

Resolution : 128\*296



### 3.7 " Screen

Dot Matrix EPD Black/White/Red

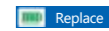


Size : 103.6\*57\*11.2mm

Screen : 81.54\*47.04mm

Operate temperature : 0-40°C

Resolution : 416\*240



### 4.2 " Screen

Dot Matrix EPD Black/White/Red



Size : 104.8\*87\*12.8mm

Screen : 84.8\*63.6mm

Operate temperature : 0-40°C

Resolution : 400\*300



### 5.8 " Screen

Dot Matrix EPD Black/White/Red



Size : 135.4\*110\*9mm

Screen : 118.78\*88.22mm

Operate temperature : 0-40°C

Resolution : 648\*480



# ESL Valley Series

Dot Matrix EPD Black/White/Red (Yellow)

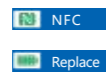


## 7.5 " Screen

Dot Matrix EPD Black/White/Red



Size : 180.8\*121.8\*9mm  
Screen : 163.24\*97.94mm  
Operate temperature : 0-40°C  
Resolution : 528\*880

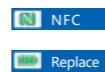


## 10.2 " Screen

Dot Matrix EPD Black/White/Red

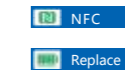


Size : 235\*173\*9.5mm  
Screen : 215.52\*143.68mm  
Operate temperature : 0-40°C  
Resolution : 960\*640



## 5.8 " Dual Screen

Dot Matrix EPD Black/White/Red



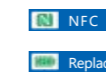
Size : 135.4\*109.5\*13mm  
Screen : 118.8\*88.2mm  
Operate temperature : 0-40°C  
Resolution : 648\*480

## 7.5 " Dual Screen

Dot Matrix EPD Black/White/Red

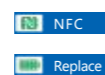


Size:180.2\*121.2\*13mm  
Screen : 163.24\*97.94mm  
Operate temperature : 0-40°C  
Resolution : 480\*800



## 11.6 " Screen

Dot Matrix EPD Black/White/Red

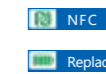


Size : 266.3\*190\*9mm  
Screen : 244.512\*163.008mm  
Operate temperature : 0-40°C  
Resolution : 640\*960



## 13.3 " Screen

Dot Matrix EPD Black/White/Red



Size : 298.3\*225.5\*9mm  
Screen : 275.52\*195.16mm  
Operate temperature : 0-40°C  
Resolution : 960\*680

## ESL > Blade Series

Dot Matrix EPD Black/White/Red (Yellow)

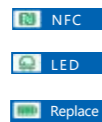


### 1.8 "Screen

Dot Matrix EPD Black/White/Red



Size: 54.2\*36.9\*9.9mm  
Display size: 36.05\*27.05mm  
Operating temperature: 0~40°C  
Resolution: 168\*224

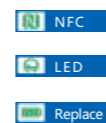


### 2.2 "Screen

Dot Matrix EPD Black/White/Red



Size: 67.9\*37\*10mm  
Display size: 48.1\*26mm  
Operating temperature: 0~40°C  
Resolution: 160\*296

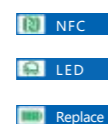


### 2.13 "Screen

Dot Matrix EPD Black/White/Red



Size: 71\*34.7\*11.6mm  
Display size: 48.55\*23.7mm  
Operating temperature: 0~40°C  
Resolution: 122\*250

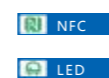


### 2.13 "Screen

Dot Matrix EPD Black/White/Red



Size: 71\*34.7\*6.6mm  
Display size: 48.55\*23.7mm  
Operating temperature: 0~40°C  
Resolution: 122\*250

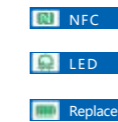


### 2.66 "Screen

Dot Matrix EPD Black/White/Red



Size: 85\*41\*9.7mm  
Display size: 60.09\*30.7mm  
Operating temperature: 0~40°  
Resolution: 152\*296



### 2.66 "Screen

Dot Matrix EPD Black/White/Red



Size: 84.2\*40.5\*4.5mm  
Display size: 60.09\*30.7mm  
Operating temperature: 0~40°  
Resolution: 152\*296

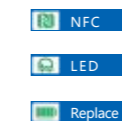


### 2.9 "Screen

Dot Matrix EPD Black/White/Red



Size: 92\*41.5\*9.7mm  
Display size: 66.9\*29.06mm  
Operating temperature: 0~40°  
Resolution :128\*296

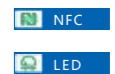


### 2.9 "Screen

Dot Matrix EPD Black/White/Red



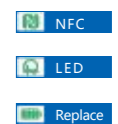
Size: 91.5\*41\*4.5mm  
Display size: 66.9\*29.06mm  
Operating temperature: 0~40°  
Resolution :128\*296



### 3.5 "Screen

Dot Matrix EPD Black/White/Red

Size: 101.5\*50\*11.8mm  
Display size: 79.68\*38.18mm  
Operating temperature: 0~40°  
Resolution :184\*384





## ESL > Blade Series

Dot Matrix EPD Black/White/Red (Yellow)

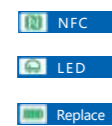


### 4.2 "Screen

Dot Matrix EPD Black/White/Red



Size: 103.6\*87\*10.3mm  
Display size: 84.8\*63.6mm  
Operating temperature: 0~40°C  
Resolution: 400\*300

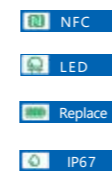


### 4.2 "Screen

Dot Matrix EPD Black/White/Red



Size: 103.6\*87\*10.3mm  
Display size: 84.8\*63.6mm  
Operating temperature: 0~40°C  
Waterproof rating: IP67  
Resolution: 400\*300

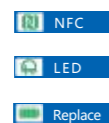


### 4.3 "Screen

Dot Matrix EPD Black/White/Red



Size: 129.7\*41.3\*9 mm  
Display size: 105.44\*30.7mm  
Operating temperature: 0~40°C  
Resolution: 152\*522

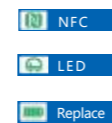


### 5.8 "Screen

Dot Matrix EPD Black/White/Red



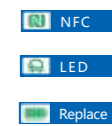
Size: 132\*109\*13mm  
Display size: 118.8\*88.2mm  
Operating temperature: 0~40°C  
Resolution :648\*480



### 7.5 "Screen

Dot Matrix EPD Black/White/Red

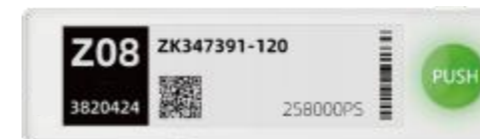
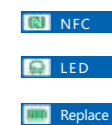
Size: 176.8\*124.3\*13mm  
Display size: 163.2\*97.92mm  
Operating temperature: 0~40°C  
Resolution :480\*800



### 2.9 "Screen

Dot Matrix EPD Black/White/Red

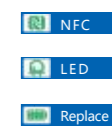
Size: 95.8\*43.6\*10.8mm  
Display size: 66.9\*29.06mm  
Operating temperature: 0~40°C  
Resolution: 296\*128



### 4.3 "Screen

Dot Matrix EPD Black/White

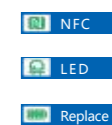
Size: 148.5\*41.3\*13.5mm  
Display size: 30.7\*105.44mm  
Operating temperature: 0~40°C  
Resolution: 152\*522



### 5.8 "Screen

Dot Matrix EPD Black/White

Size: 132\*124\*13.5mm  
Display size: 118.78\*88.2mm  
Operating temperature: 0~40°C  
Resolution: 648\*480



# ESL > Essence Series

## Multi-color Dot Matrix EPD

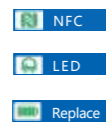


### 1.54 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 44.5\*35.9\*12.1mm  
 Display size: 27\*27mm  
 Operating temperature: 0~40°C  
 Resolution: 200\*200

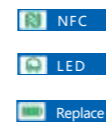


### 2.4 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 77.9\*42.3\*11.8mm  
 Display size: 52.1\*29.6mm  
 Operating temperature: 0~40°C  
 Resolution: 296\*168

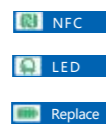


### 2.13 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 70\*34.5\*12.1mm  
 Display size: 48.55\*23.7mm  
 Operating temperature: 0~40°C  
 Resolution: 122\*250

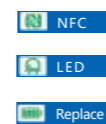


### 2.13 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 71\*34.7\*11.6mm  
 Display size: 48.55\*23.7mm  
 Operating temperature: 0~40°C  
 Resolution: 122\*250

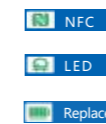


### 2.66 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 83\*41\*12.1mm  
 Display size: 60.09\*30.7mm  
 Operating temperature: 0~40°C  
 Resolution :152\*296

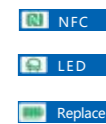


### 2.66 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 85\*41\*9.7mm  
 Display size: 60.09\*30.7mm  
 Operating temperature: 0~40°C  
 Resolution :152\*296

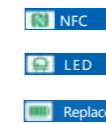


### 2.66 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 90\*41\*12.1mm  
 Display size: 66.9\*29.06mm  
 Operating temperature: 0~40°C  
 Resolution :128\*296

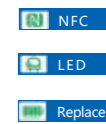


### 2.9 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 92\*41.5\*9.7mm  
 Display size: 66.9\*29.06mm  
 Operating temperature: 0~40°C  
 Resolution :128\*296

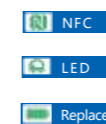


### 3.0 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 95.8\*43.7\*10mm  
 Display size: 70.4\*29.568mm  
 Operating temperature: 0~40°C  
 Resolution: 400\*168

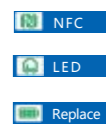


### 4.4 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 106\*90\*11.1mm  
 Display size: 90.112\*64.768mm  
 Operating temperature: 0~40°C  
 Resolution: 512\*368



# ESL > Essence Series

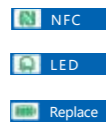
## Multi-color Dot Matrix EPD

### 7.3 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 176.8\*124.3\*13mm  
 Display size: 160\*96mm  
 Operating temperature: 0~40°C  
 Resolution :800\*480

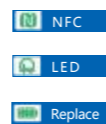


### 8.2 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 198.2\*135\*13mm  
 Display size: 180.224\*101.376mm  
 Operating temperature: 0~40°C  
 Resolution: 1024\*576

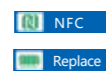


### 7.3 "Screen

Dot Matrix EPD Black/White/Red/Yellow



Size: 180.8\*121.8\*9mm\*2  
 Display size: 163.24\*97.94mm\*2  
 Operating temperature: 0~40°C  
 Resolution :528\*880

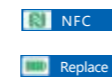


### 7.3 "Screen

Multi-color electronic paper display



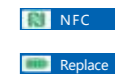
Size: 180.8\*121.8\*9mm\*2  
 Display size: 163.24\*97.94mm\*2  
 Operating temperature: 0~40°C  
 Resolution :528\*880  
 Color support: Full color



### 5.8 "Screen

Multi-color electronic paper display

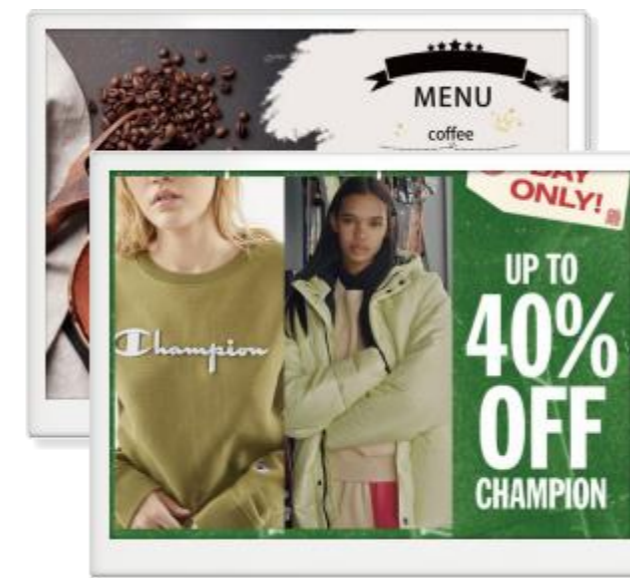
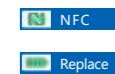
Size: 135.4\*110\*9mm  
 Display size: 114.9\*85.8mm  
 Operating temperature: 0~40°C  
 Resolution: 600\*448  
 Color support: Full color



### 7.3 "Screen

Multi-color electronic paper display

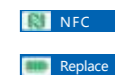
Size: 176.8\*124.3\*13mm  
 Display size: 163.2\*97.92mm  
 Operating temperature: 0~40°C  
 Resolution :800\*480  
 Color support: Full color



### 13.3 "Screen

Full color electronic paper display

Size: 298.3\*228\*9mm  
 Display size: 270\*203mm  
 Operating temperature: 0~40°C  
 Color support: Full color



# ESL Accessories

Adaptable for Different Environment



Aquatic food



Vegetables and fruits



Frozen food



Baked food

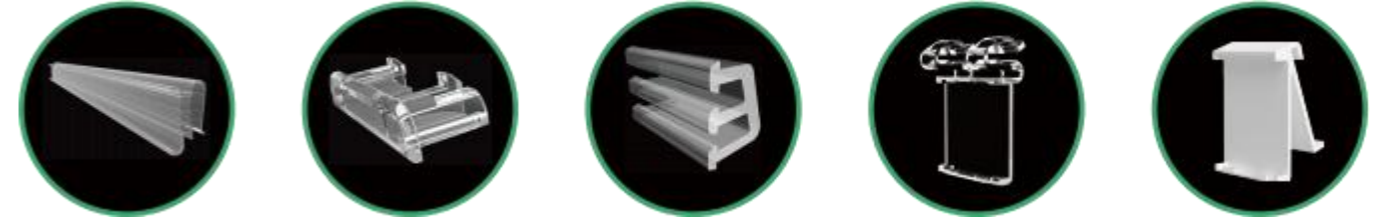


Normal area



Beverages

For shelf edge display



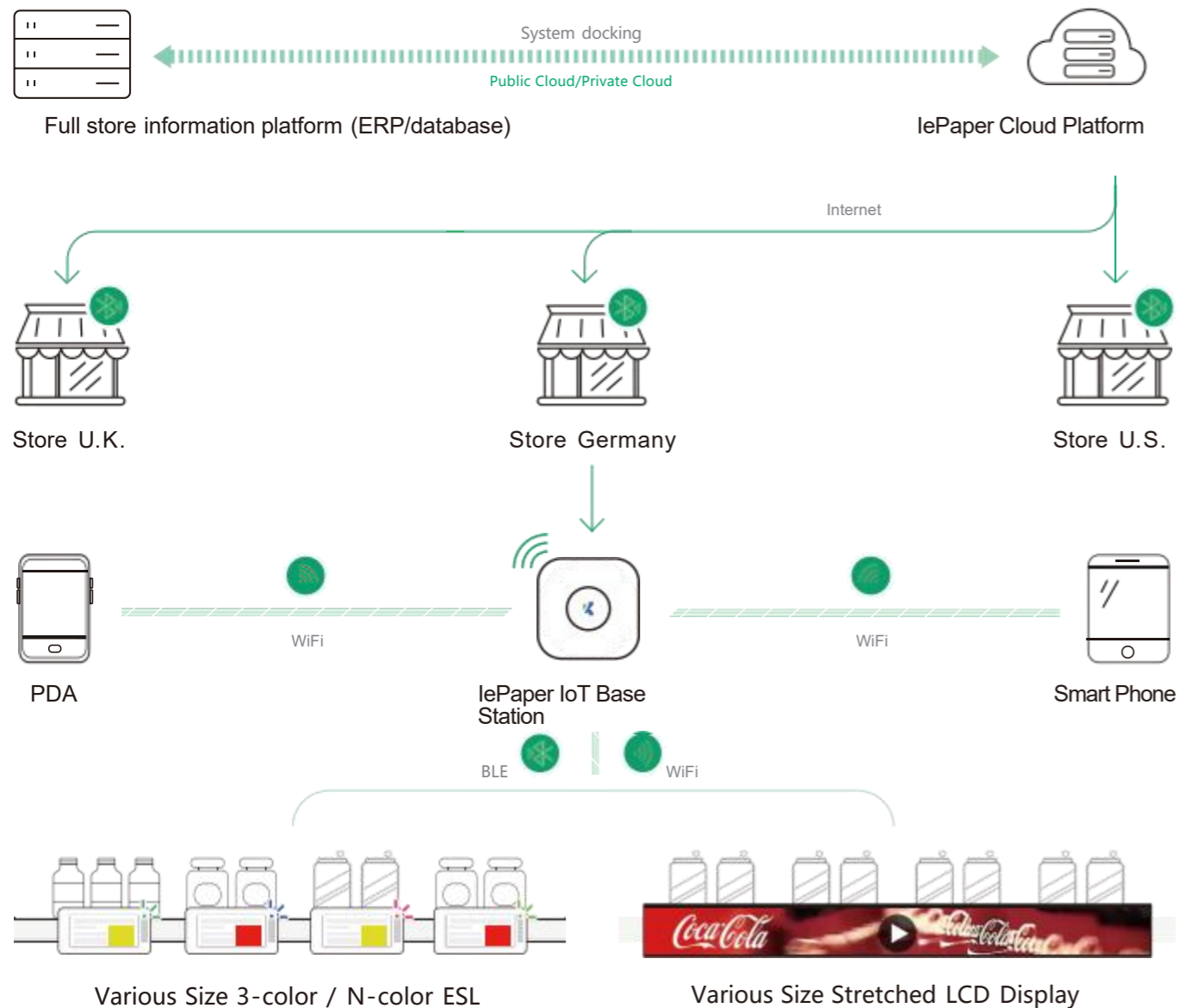
For irregular edge and flat surface display



For fresh food and frozen food display



# ➤ IePaper CLOUD ESL SYSTEM



## 01

### Real Cloud Management

We designed a real SaaS cloud architecture for ESL system. And our ESL system delivers at the lowest cost, and enables fast deployment when the retailers copy success from one store to another

## 02

### Enterprise Application of Retail

IePaper's cloud platform provides a really easy way to connect with ERP/POS system, which is more operative in a corporate environment, it quickly emerges with the user's system and perfectly emerges with the user's system

## 03

### Business Success at Lowest Cost

IePaper's Cloud ESL solutions lead customer's business into a great success at the lowest cost, no matter how the ESLs are deployed or how many stores have been connected with the cloud ESL platform

## 04

### Extendable To More Industries

IePaper's advanced wireless communication technology and project development experience engage customers into the infrastructures of more industries

# ➤ Core Advantage

## End-to-end Manufacture

Flexible and Agile Customization

Color customization



Screen frame customization



Logo / Brand Customization



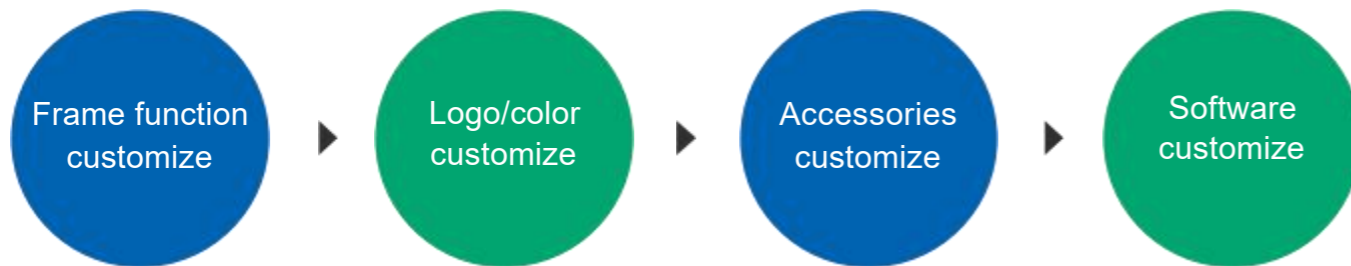
Software on Platform



Base station



App on PDA



## Large Volume Distribution

Each year, a great volume of ESLs are shipped out through the international channels to end users.

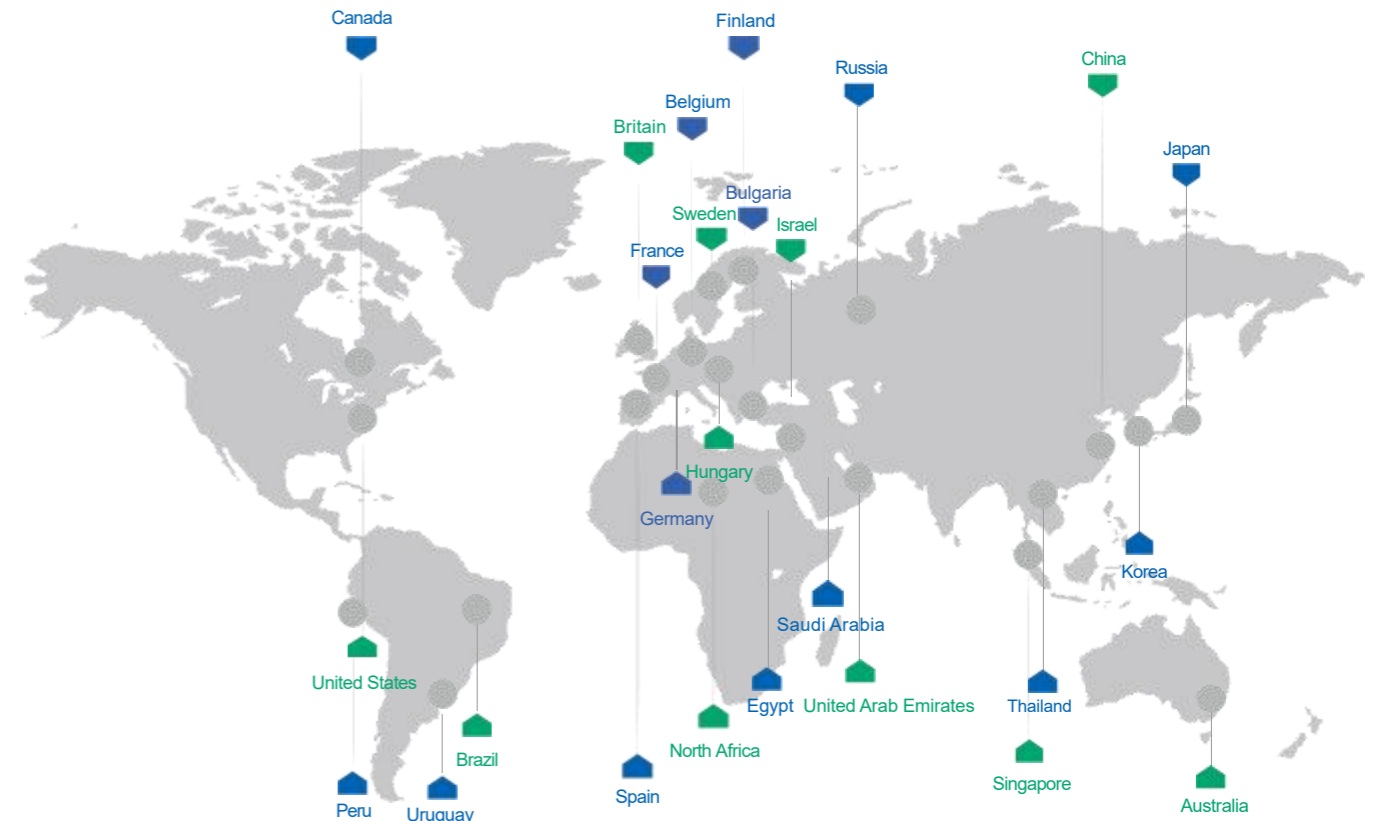


## Distribution Network

Zkong has built a more profitable cloud ESL distribution network with our major partners across the world.



## Distribution Center



# ➤ INDUSTRIES & CASE STUDY

## New Retail

To Boost Sales and Increase Margins



One of the reasons that big retail chain stores who can put more resources on sales and marketing is that they have equipped with ESLs, and integrated the smart labels and IoT technology with their own system: in seconds, all the labels are updated with the latest data from head office without a failure. ESL triggers a happy journey for customers who want to be more engaged into the shopping environment and benefited from deeper interactions with stores.

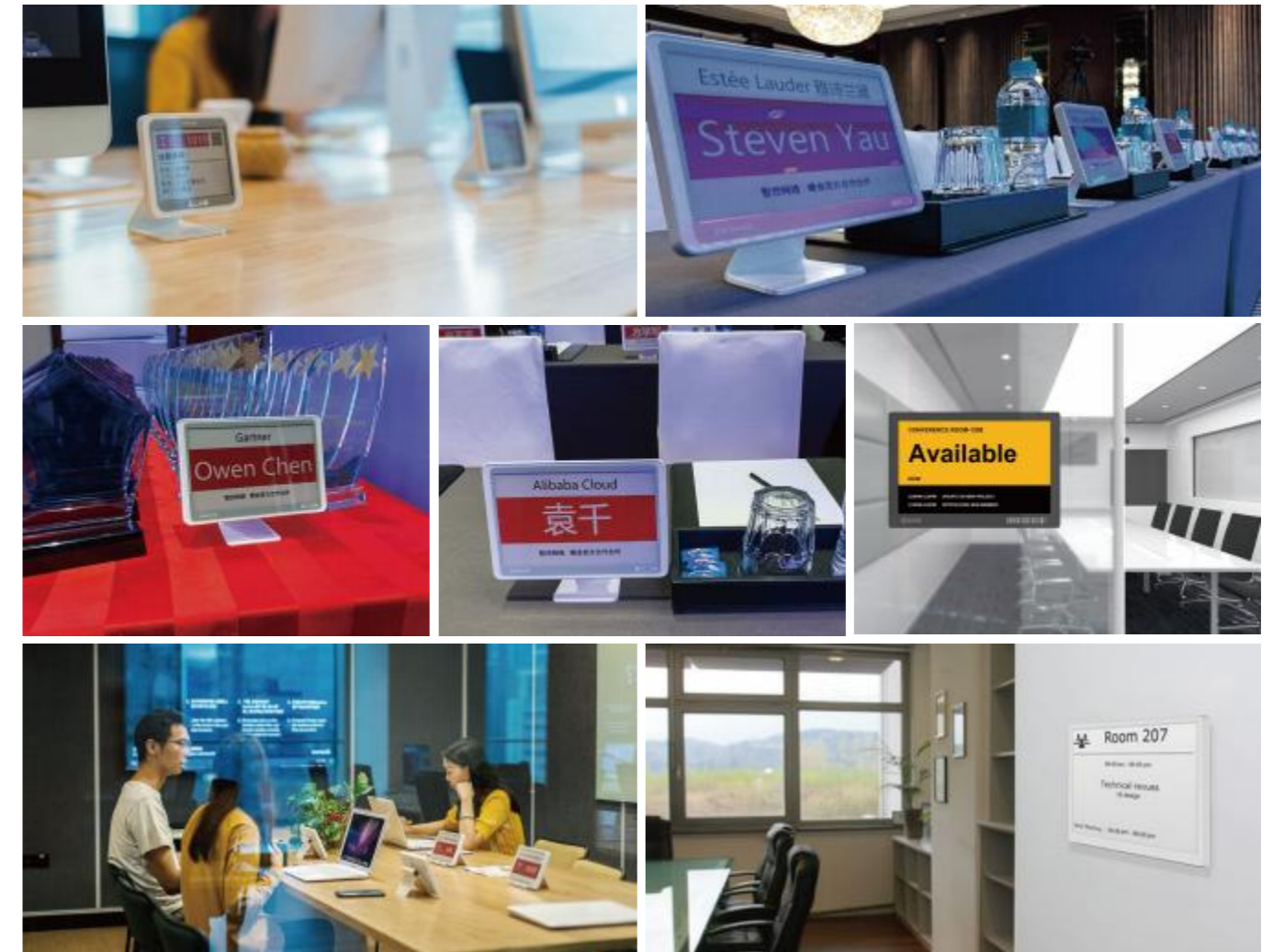


## Digital Signage

To Cut Operate Cost and Lift Efficiency



Easy to deploy and adaptable to both new built and existed buildings without much efforts. This environment friendly solution has been successfully applied in any office, hotel, hospital and other spaces where signage has become more efficient through digital means. As it can be set as on any surface and characterized an ultra-low energy consumption, and is considered as the alternative of paper, more expensive and wired devices.



## Pharmacy

To Improve Shopping Experience and Environment



In an aging society, medical treatment is in fast growing needs for patients, thus medical service plays a crucial role in modern society. ESL medical solution is just the unbelievable approach for hospital to manage wards and to work with their own systems for extended services. ESL also performs as a fundamental tool to IoT system to optimize drug management.



## Logistic & Warehouse

To Raise Inventory Accuracy and Reduce Handling



Flexible and extendable for more functions, ESL solution can easily improve the productivity in the process of grounding, sorting, and counting for the stock, and raise efficiency and accuracy of warehouse. Well connected to the ERP systems, fully displayed item info, instant stock level update, and functional assistance of LED alert on the labels for improving inventory accuracy, stock-out risk prevention and cost control.

