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## A Global Leader in ESL and Smart Retail Technologies

Drive Better Connections through Smart Display Solutions



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# COMPANY PROFILE

## Company Profile

ZKONG is a high-tech company specializing in product development, manufacturing, and sales. It focuses on wireless smart hardware, including ESL electronic shelf labels and LCD commercial displays, along with supporting software platforms. ZKONG delivers end-to-end IoT and digital solutions for seamless connectivity and intelligent management.

With over 20 years of R&D experience, ZKONG innovates from wireless communication to smart retail, delivering customized IoT hardware and software for retail, logistics, pharmacies, and consumer electronics, etc.

Headquartered in Hangzhou, China, ZKONG now has subsidiaries in Europe, and the Asia-Pacific region. With over 3,000 customers worldwide, we partner with leading brands to drive digital transformation and explore new industry possibilities.

20<sup>yr+</sup>

R&D Experience

220<sup>+</sup>

Patents

300<sup>+</sup>

R&D Personnel

3,000<sup>+</sup>

Brands

200,000<sup>+</sup>

Deployed Stores

# INDUSTRY APPLICATION

## Core Data



### Vision

Drive Better Connections through Smart Display Solutions



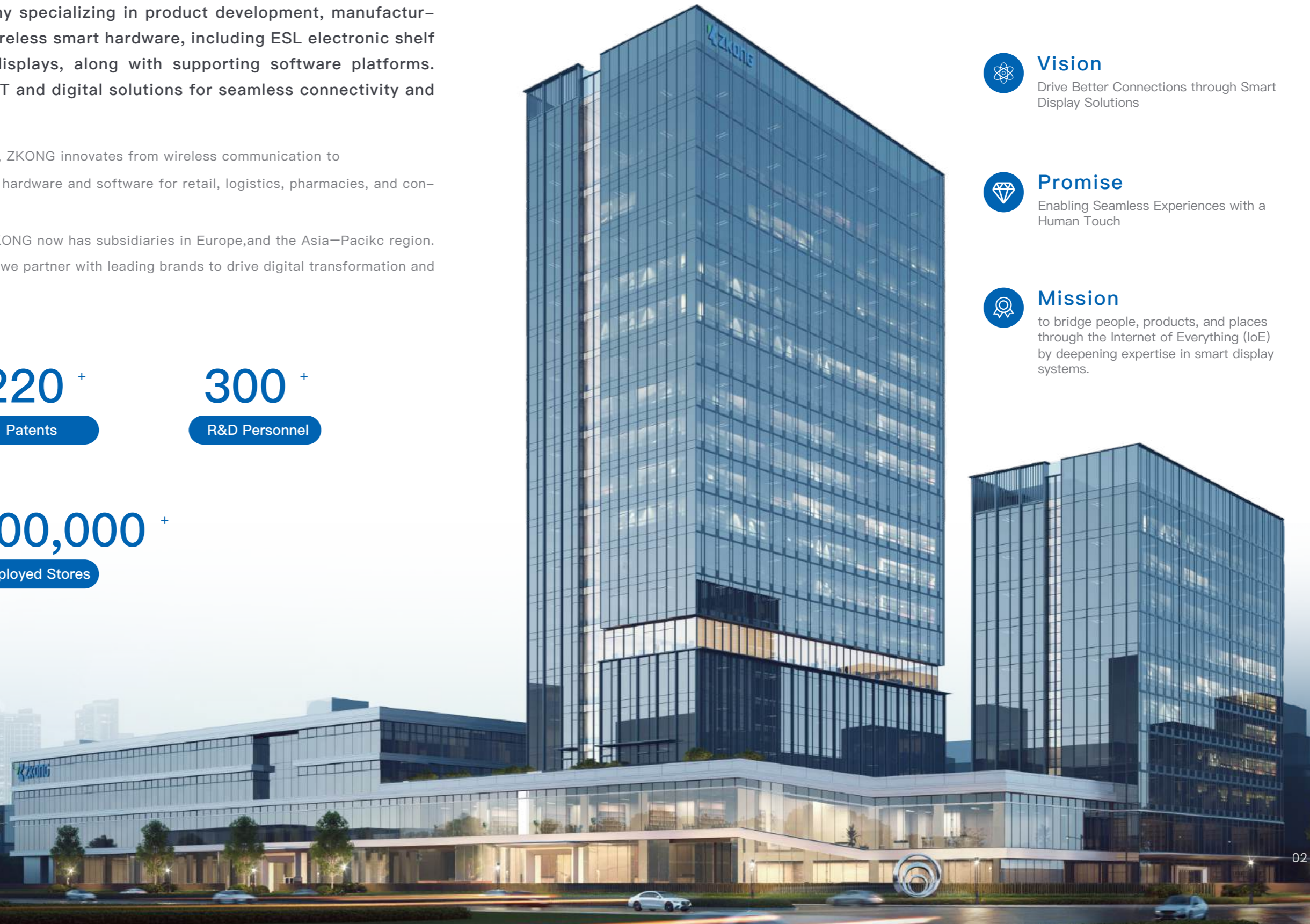
### Promise

Enabling Seamless Experiences with a Human Touch



### Mission

to bridge people, products, and places through the Internet of Everything (IoE) by deepening expertise in smart display systems.

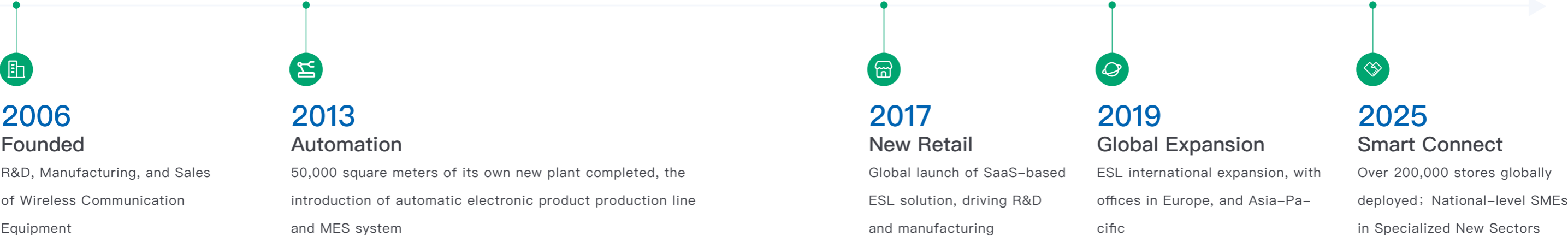


# INDUSTRY APPLICATIONS

## Development course

### Awards

-  Most Popular Smart Store Solution
-  Digital Store AIoT Solution Award
-  Best Retail Technology Solution Award
-  Most Popular Electronic Shelf Label Brand
-  2023 Excellent Retail Service Provider
-  Award for Excellence in Omnichannel Digitalization



## Overseas Market Leading Globally

### Expanding into Global Markets Enhancing Local Services

ZKONG has established subsidiaries and offices in Europe, Japan, and Hong Kong, China. With professional localized teams, we ensure that global customers receive personalized, tailored services.



# INDUSTRY APPLICATIONS

## Manufacturing

ZKONG operates a 50,000m<sup>2</sup> self-owned factory equipped with full production capabilities, enabling end-to-end hardware manufacturing to ensure consistent quality. Leveraging large-scale production capacity, we deliver rapid order fulfillment and support deep customization to provide cost-effective tailored solutions.

Additionally, ZKONG's smart warehousing and global logistics network enable ultra-fast 48-hour emergency order response, covering 160+ countries.

With multiple international certifications (CE/FCC/RoHS) and specialized qualifications for vertical sectors like manufacturing and industrial equipment, we guarantee full compliance and seamless product globalization.



## Certifications

- MIC
- ISO9001/ISO14001
- ISO50001/SA8000
- ISO27001
- Independently Penetration Tested by SEC Consult



# INDUSTRY APPLICATIONS

## Smart retail

Smart retail refers to the seamless integration of online and offline retail environments, supported by big data, artificial intelligence, and IoT technologies, to reshape retail formats and enhance user experiences.

ZKONG provides advanced retail technology hardware, including electronic shelf labels and smart LCD displays, to help customers achieve rapid digital transformation.

## Empowering Retail to Shape the Future of the Industry

- Shopping cart icon: Supermarket
- Store icon: Convenience Store
- Cosmetics bottle icon: Cosmetics
- Pharmacy icon: Pharmacy
- Warehouse icon: Warehouse club
- Camera icon: Consumer Electronic
- Grocery store icon: Grocery Store



# SOLUTIONS

## Smart IoT

ZKONG deeply integrates IoT technology into electronic labels and smart display hardware. By combining the ZKONG cloud platform with smart terminals, it not only offers efficient device management but also enables real-time data interaction.

Through smart devices and network connectivity, data collection, analysis, and automation are achieved. It is widely applied in logistics & warehousing, healthcare, office environments, and more, driving digital transformation and intelligent upgrades across industries.

### Leading Industrial Solutions

Hardware application, Software system and cooperating accessories.



#### Real Cloud Management

A genuine SaaS cloud architecture designed specifically for chain stores, easily adaptable to various fields and needs, enabling deployment and delivery at the lowest cost.



#### Enterprise-Level Applications

ZKONG cloud platform provides flexible mechanisms to integrate with enterprise ERP/POS systems, ensuring seamless compatibility with users' existing systems.



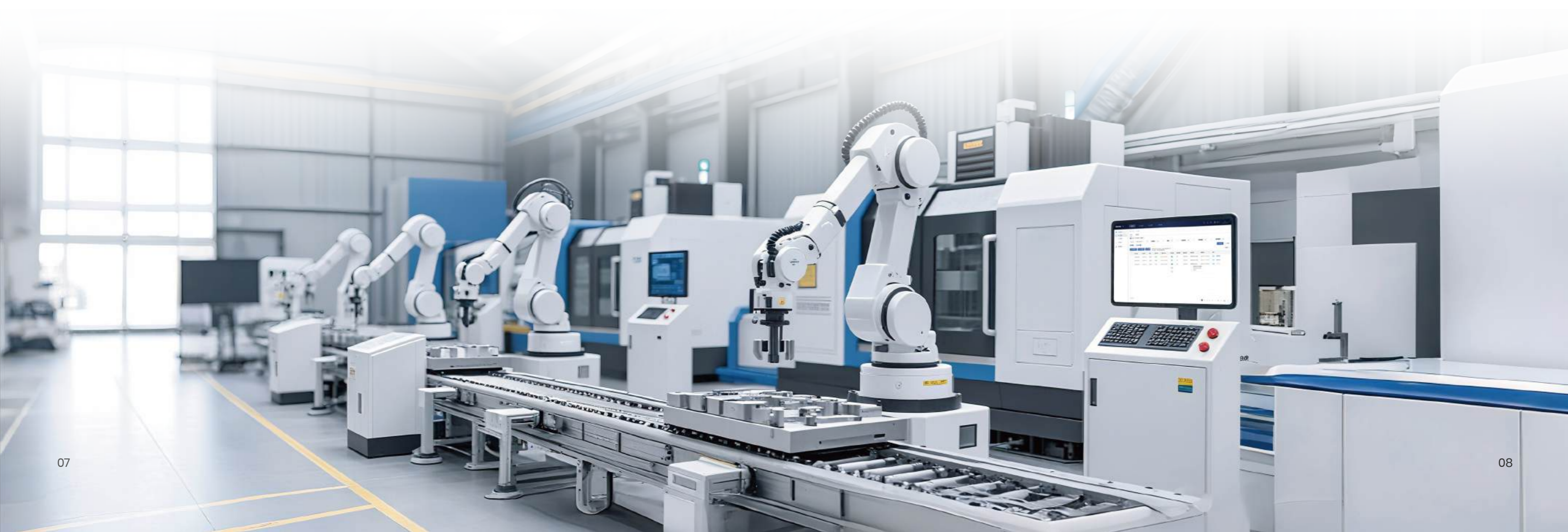
#### Industry's Best Value

ZKONG cloud-based label solution connects stores with the cloud platform, helping users deploy electronic shelflabel systems at the lowest cost.



#### Versatile across Industries

ZKONG's rich experience in wireless communication technology allows label solution to be highly flexible and applicable across various industries.



# PRODUCT

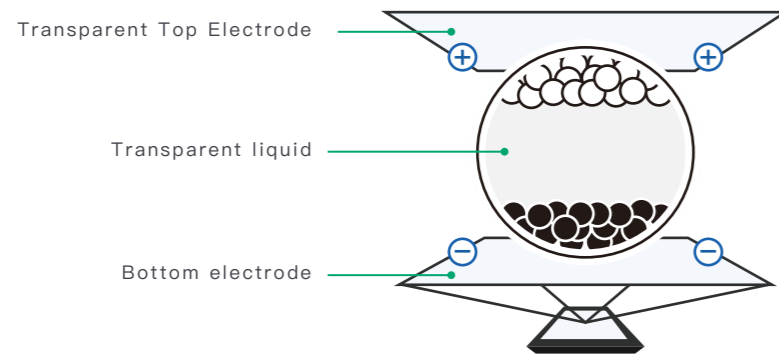
## About EPD

Through a strong partnership with the industry leader E-Ink, ZKONG has been developing e-paper-related technologies and driving market advancement with continuous support from customers and stakeholders.

As a core component of electronic shelf labels, the working principle of EPD (Electronic Paper Display) screens is based on the application of electronic ink on a plastic film, combined with thin-film transistor (TFT) circuits. By using a driving chip that applies different voltages to attract positive and negative charges, EPD selectively moves and controls the electrophoretic particles suspended in microcapsules within the electronic ink. This controls the color display of each pixel, enabling the display of images and text.

### Dual-Particle Ink System

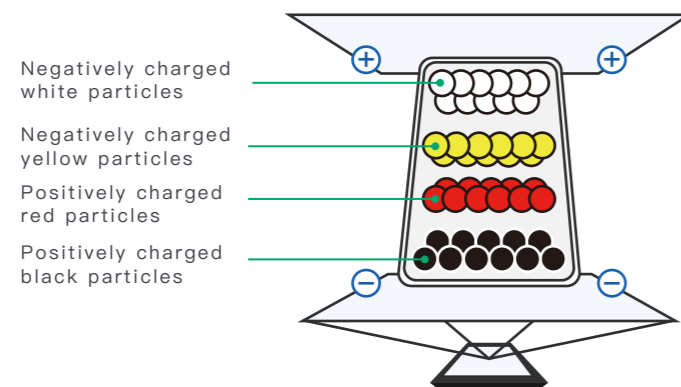
Black and White Ink Spectrum



E-ink consists of millions of tiny microcapsules that are about the diameter of a human hair

### Quad-Particle Ink System

Black, White, Red, and Yellow Ink Spectrum

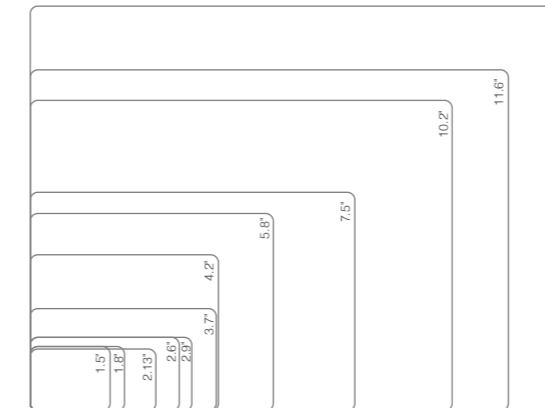


The ZKONG 4-particle system adds charged color particles in addition to white, enabling a broader color spectrum with black, white, red, and yellow.

# ESL LINE-UP

## Electronic Shelf Labels

unit:in



- Dot Matrix EPD
- Ultra-thin Design
- Replaceable Battery
- 1.5'-13.3' Sizes Selectable
- Black / White / Red / Yellow / Full color
- BLE 5.1 Low Energy
- Multi-page Switching
- Cloud Architecture

### A Arrow

Bar-Shaped · Modular Extension · Multi-SKU displays

### Q Quantum

Ultra-narrow bezel · High screen-to-body ratio

### V Valley

light and elegant · high contrast · rich size

### F Fashion

Portable and Versatile, Adapting to Various Consumer Scenarios

### B Blade

≥4mm ultra-thin · high durability · replaceable battery

### S Shield

protection cover · longer battery life

### E Essence

multi-color · NFC · customizable design



# ESL SERIES

## Arrow Series

Arrow Series ESLs feature an ultra-thin, borderless bar-type design ideal for dense, multi-SKU displays. Supporting multiple sizes and four-color e-paper, they maximize shelf efficiency and elevate in-store presentation while enabling sustainable digital transformation.

### ZKC3030A

Black/white/red/yellow



Size: 294.9\*42.9\*11.5mm  
Screen: 276.448\*29.684mm  
Operate temperature: 0~40°C  
Resolution: 164\*1600



### ZKC4530A

Black/white/red/yellow



Size: 450.8\*42.9\*11.5mm  
Screen: 432.36\*29.684mm  
Operate temperature: 0~40°C  
Resolution: 164\*2400



### ZKC5030A

Black/white/red/yellow



Size: 496.7\*42.9\*11.5mm  
Screen: 477.84\*29.684mm  
Operate temperature: 0~40°C  
Resolution: 164\*2640



### ZKC6030A

Black/white/red/yellow



Size: 594\*42.9\*11.5mm  
Screen: 574.6\*29.684mm  
Operate temperature: 0~40°C  
Resolution: 164\*3200



# ESL SERIES

## Quantum Series

Featuring ultra-narrow bezels and a high screen-to-body ratio, the Quantum Series delivers a leap in information efficiency for high-density shelf displays.

### ZKC23Q

Black/white/red/yellow



Size: 70\*34.5\*10.7mm  
Screen: 25.01\*51.25mm  
Operate temperature: 0~40°C  
Resolution: 122\*250



### ZKC28Q

Black/white/red/yellow



Size: 83.8\*41.8\*9.7mm  
Screen: 32\*62.31mm  
Operate temperature: 0~40°C  
Resolution: 152\*296



### ZKC31Q

Black/white/red/yellow



Size: 69.3\*63.6\*9.7mm  
Screen: 54.3\*54.3mm  
Operate temperature: 0~40°C  
Resolution: 300\*300



### ZKC35Q

Black/white/red/yellow



Size: 96.2\*47.5\*9.7mm  
Screen: 38.16\*79.6mm  
Operate temperature: 0~40°C  
Resolution: 230\*480



### ZKC42Q

Black/white/red/yellow



Size: 94.7\*80.7\*9.8mm  
Screen: 84.85\*63.74mm  
Operate temperature: 0~40°C  
Resolution: 300\*400



# ESL SERIES

## Valley series

Valley series ESLs deliver efficient power management, stable performance, and a high-resolution anti-glare display with a nearly 180-degree viewing angle—ideal for retail.

**ZKC15V**  
Black/White/Red/Yellow



Size : 44.5\*35.9\*12.1mm  
Screen : 27.51\*27.51mm  
Operate temperature : 0~40°C  
Resolution : 152\*152



**ZKC18V**  
Black/White/Red/Yellow



Size: 52.5\*35.9\*10.5mm  
Screen: 36.05\*27.05mm  
Operate temperature : 0~40°C  
Resolution : 168\*224



**ZKC21V**  
Black/White/Red/Yellow



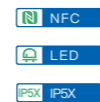
Size : 70\*34.5\*11.6mm  
Screen : 48.6\*23.64  
Operate temperature : 0~40°C  
Resolution : 144\*296



**ZKC26V**  
Black/White/Red/Yellow



Size : 83\*41\*10.3mm  
Screen : 60.09\*30.7mm  
Operate temperature : 0~40°C  
Resolution : 152\*296



**ZKC29V**  
Black/White/Red/Yellow



Size : 90\*41\*10.4mm  
Screen : 66.9\*29.06mm  
Operate temperature : 0~40°C  
Resolution : 296\*128



**ZKC35V**  
Black/White/Red/Yellow



Size : 100.3\*49.12\*11.2mm  
Screen : 79.68 38.18mm  
Operate temperature : 0~40°C  
Resolution : 384\*184



**ZKC37V**  
Black/White/Red/Yellow



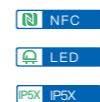
Size : 103.6\*57\*11.2mm  
Screen : 81.54\*47.04mm  
Operate temperature : 0~40°C  
Resolution : 416\*240



**ZKC42V**  
Black/White/Red/Yellow



Size : 100\*86.5\*10.3mm  
Screen : 84.8\*63.6mm  
Operate temperature : 0~40°C  
Resolution : 400\*300



**ZKC58V**  
Black/white/red/yellow



Size : 135.4\*110\*9mm  
Screen : 118.78\*88.22mm  
Operate temperature : 0~40°C  
Resolution: 648\*480



**ZKC75V**  
Black/white/red/yellow



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



**ZKC75V-D**  
Black/white/red/yellow



Size: 180.2\*121.2\*13mm  
Screen: 163.24\*97.94mm\*2  
Operate temperature: 0~40°C  
Resolution: 528\*880



**ZKC102V**  
Black/white/red/yellow



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



**ZKC116V**  
Black/white/red/yellow



Size : 266.3\*190\*9mm  
Screen : 244.51\*163.01mm  
Operate temperature : 0~40°C  
Resolution : 960\*640



# ESL SERIES

## Fashion Series

Specially designed for the fashion stores and retail industry, with the characteristics of compact, light-weight and beautifully designed, perfect for the retail scene of fashion items such as shoes and clothing.

**ZKC13F-S**  
Black/white/red/yellow



Size: 52.3\*27.4\*6.2mm  
Screen: 19.44\*27.00mm  
Operate temperature: 0~40°C  
Resolution: 144\*200



**ZKC21F**  
Black/white/red/yellow



Size: 75\*36\*7.2mm  
Screen: 48.55\*23.7mm  
Operate temperature: 0~40°C  
Resolution: 122\*250



# ESL SERIES

## Blade series

Blade Series ESLs feature a sleek, ultra-thin design and high efficiency, supporting multi-page switching to accommodate high-density information displays in various retail environments with flexibility clarity.

**ZKC18B**  
Black/white/red/yellow



Size: 54.2\*36.9\*9.9mm  
Screen: 36.05\*27.05mm  
Operate temperature: 0~40°C  
Resolution: 168\*224



**ZKC22B**  
Black/white/red



Size: 67.9\*37\*10mm  
Screen: 48.1\*26mm  
Operate temperature: 0~40°C  
Resolution: 160\*296



**ZKC21B**  
Black/white/red/yellow



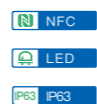
Size: 71\*34.7\*10.8mm  
Screen: 48.55\*23.7mm  
Operate temperature: 0~40°C  
Resolution: 122\*250



**ZKC26B**  
Black/white/red/yellow



Size: 85\*41\*9.7mm  
Screen: 60.09\*30.7mm  
Operate temperature: 0~40°C  
Resolution: 152\*296



**ZKC29B**  
Black/white/red/yellow



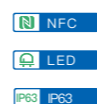
Size: 92\*41.5\*7.5mm  
Screen: 66.9\*29.06mm  
Operate temperature: 0~40°C  
Resolution: 128\*296



**ZKC35B**  
Black/white/red/yellow



Size: 101.5\*50\*11.8mm  
Screen: 79.68\*38.18mm  
Operate temperature: 0~40°C  
Resolution: 184\*384



**ZKC42B**  
Black/white/red/yellow



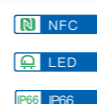
Size: 100\*86.9\*9.8mm  
Screen: 84.8\*63.6mm  
Operate temperature: 0~40°C  
Resolution: 400\*300



**ZKC42BP**  
Black/white/red/yellow



Size: 103.6\*87\*10.3mm  
Screen: 84.8\*63.6mm  
Operate temperature: 0~40°C  
Resolution: 400\*300



**ZKC43B**  
Black/white/red/yellow



Size: 129.7\*41.3\*9 mm  
Screen: 105.44\*30.7mm  
Operate temperature: 0~40°C  
Resolution: 152\*522



**ZKC45B**  
Black/white/red/yellow



Size: 128.7\*51.7\*10mm  
Screen: 38.19\*104.16mm  
Operate temperature: 0~40°C  
Resolution: 480\*176



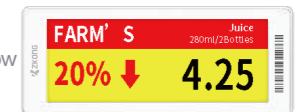
**ZKC58B**  
Black/white/red/yellow



Size: 132\*109\*13mm  
Screen: 118.8\*88.2mm  
Operate temperature: 0~40°C  
Resolution: 648\*480



**ZKC59B**  
Black/white/red/yellow



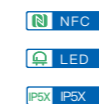
Size: 164.1\*62.2\*10mm  
Screen: 138.996\*47.736mm  
Operate temperature: 0~40°C  
Resolution: 792\*272



**ZKC73B**  
Black/white/red/yellow



Size: 176.8\*124.3\*13mm  
Screen: 160\*96mm  
Operate temperature: 0~40°C  
Resolution: 800\*480



**ZKC75B**  
Black/white/red/yellow



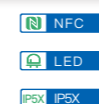
Size: 176.8\*124.3\*13mm  
Screen: 163.2\*97.92mm  
Operate temperature: 0~40°C  
Resolution: 800\*480



**ZKC97B**  
Black/white/red/yellow



Size: 217\*169.7\*13.5mm  
Screen: 201.6\*141.12mm  
Operate temperature: 0~40°C  
Resolution: 960\*672



**ZKC102B**  
Black/white/red/yellow



Size: 230.4\*169.7\*14mm  
Screen: 215.52\*143.68mm  
Operate temperature: 0~40°C  
Resolution: 960\*640



## PTL Series

PTL Picking label series is designed for the warehousing and logistics industry to provide accurate item positioning, significantly improving picking efficiency and reducing picking error rates.

### ZKC29B-J

Black/white



Size : 110.8\*41.6\*13.6mm  
Screen : 66.9\*29.06mm  
Operate temperature : 0~40°C  
Resolution : 296\*128



### ZKC29B-J

Black/white/red/yellow



Size : 110.8\*41.6\*13.6mm  
Screen : 66.9\*29.06mm  
Operate temperature : 0~40°C  
Resolution : 296\*128



### ZK43B-J

Black/white



Size : 148.5\*41.3\*13.5mm  
Screen : 30.7\*105.44mm  
Operate temperature : 0~40°C  
Resolution : 522\*152

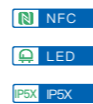


### ZK58B-J

Black/white



Size : 132\*124\*13.5mm  
Screen : 118.78\*88.2mm  
Operate temperature : 0~40°C  
Resolution : 648\*480



### ZKC75B-K

Black/white



Size : 176.8\*124.3\*13mm  
Screen : 163.2\*97.92mm  
Operate temperature : 0~40°C  
Resolution : 800\*480

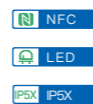


### ZKC75B-J

Black/white/red/yellow



Size : 176.7\*135.64\*12.6mm  
Screen : 163.2\*97.92mm  
Operate temperature : 0~40°C  
Resolution : 800\*480



## ESL SERIES

### Shield series

Shield Series ESLs offer exceptional protection, designed for high-intensity and harsh environments. They ensure stable operation even in extreme conditions, including freezing temperatures.

### ZKC15S

Black/White/Red/Yellow



Size : 44.5\*35.9\*12mm  
Screen : 27\*27mm  
Operate temperature : 0~40°C  
Resolution : 200\*200



### ZKC21S

Black/White/Red/Yellow



Size : 70\*34.5\*11.9mm  
Screen : 48.55\*23.7mm  
Operate temperature : 0~40°C  
Resolution : 122\*250

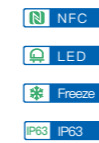


### ZK21SF

Black/White



Size : 70\*34.5\*12.5mm  
Screen : 48.55\*23.7mm  
Operate temperature : -25~25°C  
Resolution : 104\*212

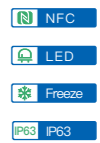


### ZK26SF

Black/White



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



### ZKC26S

Black/White/Red/Yellow



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



### ZKC29S

Black/White/Red/Yellow



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



### ZKC37S

Black/White/Red/Yellow



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



# ESL SERIES

## Essence Series

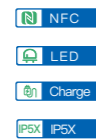
Essence series of electronic price tags is designed for high-end retail and the pursuit of beautiful display scene design, combined with high-definition display and rich color performance, providing the ideal platform for product details and information display.

### ZKC40E

Full color electronic paper display



Size: 112.5\*71.2\*7.4mm  
 Screen: 84.6\*56.4mm  
 Operate temperature: 0~40°C  
 Resolution: 400\*600  
 Color support: Full color



### ZKC73E-D

Full color electronic paper display



Size: 177.3\*140.6\*46.4mm\*2  
 Screen: 160\*96mm\*2  
 Operate temperature: 0~40°C  
 Resolution: 800\*480



### ZKC73B

Full color electronic paper display



Size: 176.8\*124.3\*13mm  
 Screen: 160\*96mm  
 Operate temperature: 0~40°C  
 Resolution: 800\*480  
 Color support: Full color



### ZKC73E

Full color electronic paper display



Size: 176.5\*124\*9.4mm  
 Screen: 163.2\*97.92mm  
 Operate temperature: 0~40°C  
 Resolution: 800\*480  
 Color support: Full color



### ZKC133E

Full color electronic paper display



Size: 300.4\*214.6\*11mm  
 Screen: 270\*203mm  
 Resolution: 1600\*1200  
 Operate temperature: 0~40°C  
 Color support: Full color



### ZKC315E

Full color electronic paper display



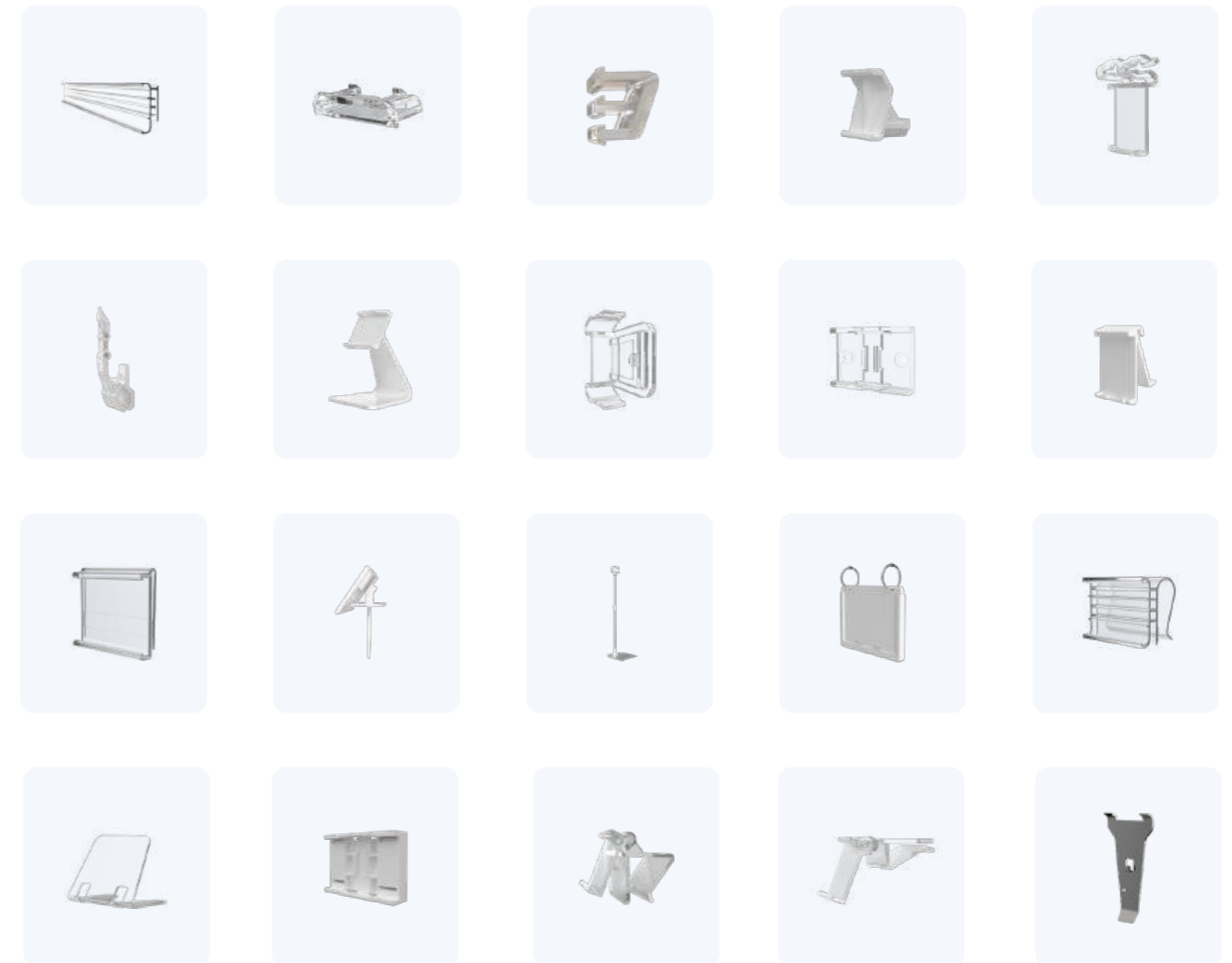
Size: 430.3\*721\*9mm  
 Screen: 392\*696mm  
 Resolution: 2560\*1440  
 Operate temperature: 0~40°C  
 Color support: Full color



# ESL ACCESSORIES

## ESL Accessories

ZKONG offers a variety of customized installation accessories for various retail scenarios, we aim to help merchants be easily deployed and used efficiently.



# LCD LINE-UP

## Sparkle Series



### Rich Material Library

Find unlimited materials collected, help realize a more comprehensive promotion



### Rapid Response

A second-response device that provides a smooth and fast experience for clients



### High Protection

High-grade protection design for longer product life and wider applications



### HD Display

HD full colour display with outstanding picture quality



### Cloud Management

Managed with Cloud architecture, integrated with ZKONG ESL system



### Fast Deployment

Provide a quick and easy system tool, simple deployment promised



# LCD LINE-UP

## Sparkle Series

Sparkle Series LCD displays deliver vibrant colors and high durability, ensuring stable performance. With standalone and multi-screen integration, they enhance retail impact.



### ZKS101/ZKS101D

Single/Double Sided LCD Display



Size: 243\*150.1\*14mm  
Screen: 216.576\*135.36mm (\*2)  
Colour: Full colour  
Resolution: 1280\*800  
Supported formats: text/image/video  
Ingress Protection: IP66  
Wireless transmission: Wi-Fi  
Operating temperature: 0-50°C  
Power supply: DC power supply



### ZKS101-A/ZKS101D-A

Single/Double Sided LCD Display



Size: 243\*150.1\*14mm  
Screen: 216.576\*135.36mm (\*2)  
Colour: Full-color  
Resolution: 1280\*800  
Supported formats: text/image/video  
Ingress Protection: IP5X  
Humidity: 10% - 80% RH (no condensation water)  
Wireless transmission: Wi-Fi  
Operating temperature: 0-50°C  
Power supply: DC power supply



### ZKS141-A/ZKS141D-A

Single/Double Sided LCD Display



Size: 333\*202.3\*14.5mm  
Screen: 309.31\*173.99mm (\*2)  
Color: Full-color  
Resolution: 1920\*1080  
Supported formats: text/image/video  
Ingress Protection: IP5X  
Humidity: 10% - 80% RH (no condensation water)  
Wireless transmission: Wi-Fi  
Operating temperature: 0-50°C  
Power supply: DC power supply



### ZKS156-A

Single-Sided LCD Display



Size: 367.9\*220.7\*14.5mm  
Screen: 193.59\*344.16mm  
Color: Full-color  
Resolution: 1920\*1080  
Supported formats: text/image/video  
Ingress Protection: IP5X  
Wireless transmission: Wi-Fi  
Operating temperature: 0-50°C  
Power supply: DC power supply



# LCD LINE-UP

## Legendary series

**HD Display**  
Unlimited and display scenes

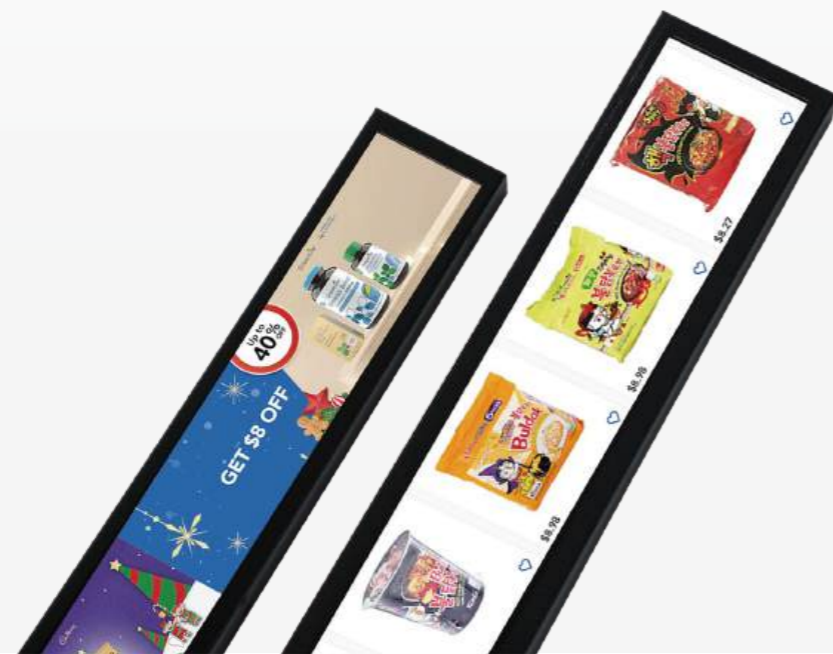
**24 7x24h on air**  
Reliable and ongoing promotional display

**Cloud Management**  
Remote and wireless management

**Wi-Fi Connective**  
Seamlessly synchronize commercials

**Smart Broadcast System**  
Intelligent video settings and display

**Active promotion**  
Allows various formats and standards display



# LCD LINE-UP

## Legendary series

Legendary series LCD bar screens are designed for large shopping malls and high-end retail environments, standing out for their exceptional display quality and intelligent management features.

### ZKL231 | 23.1" LCD



Size: 597.4\*60.4\*15.8mm  
Screen: 585.6\*48.19mm  
Resolution: 1920\*158  
Operating temperature: 0-50°  
Wi-Fi: Supports 2.4GHz  
Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

### ZKL350 | 35" LCD



Size: 897.2mm\*72.2mm\*18mm  
Screen: 878.4mm\*52.6mm  
Resolution: 2638\*158  
Operate temperature: 0-50°  
Wi-Fi: 2.4GHz  
Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

### ZKL290 | 29" LCD



Size: 722.4mm\*20.4mm\*23.7mm  
Screen: 698.4mm\*196.45mm  
Resolution: 1920\*540  
Operate temperature: 0-50°  
Wi-Fi: 2.4GHz  
Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

### ZKL356 | 35.6" LCD



Size: 902mm\*263mm\*36mm  
Screen: 878mm\*239mm  
Resolution: 1920\*540  
Operate temperature: 0-50°  
Wi-Fi: 2.4GHz  
Sound support: Supported  
Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

## ZKL470 | 47" LCD



Size: 1211.2\*67.5\*24.3mm  
 Screen: 1197.2\*50.7mm  
 Resolution: 3840\*160  
 Operating temperature: 0-50°  
 WI-Fi: Supports 2.4GHz  
 Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

## ZKL500 | 50.0" LCD



Size: 1109\*630.6\*83.1mm  
 Screen: 1099\*620mm  
 Resolution: 1920\*1080  
 Operating temperature: 0-50°  
 WI-Fi: Supports 2.4GHz  
 Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

## ZKL550 | 55" LCD



Size: 794\*1900\*45mm  
 Screen: 680\*1209mm  
 Resolution: 1920\*1080  
 Operating temperature: 0-50°  
 WI-Fi: Supports 2.4GHz  
 Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

## ZKL650 | 65" LCD



Size: 949.5\*2182.5\*60mm  
 Screen: 680\*1209mm  
 Resolution: 1920\*1080  
 Operating temperature: 0-50°  
 WI-Fi: Supports 2.4GHz  
 Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

# BASE STATION

## Access Point



### High Scalability

Unlimited labels can be managed by single base station, along with smooth updating experience



### Easy Installation

Plug and play installation, simply connect BST to Internet, auto activation to cloud, auto connect to all ESL and remote via bluetooth



### Intelligent System

Designed of smooth wireless roaming, auto BST selection, load-balancing and channel hopping advanced wireless features



### Superior Coverage

Up to 700 m<sup>2</sup> indoor coverage per base station and 40 meters range in non-obstacle environment



### Safety & Stability

A 128-bit AES (Advanced EncryptionStandard) cipher ensures the system's security, safety, and stability



### IoT Protocols Custom

Support various IoT protocols such as BLE, Wi-Fi etc. for various customization



# BASE STATION

## Access Point

The wireless base station connects terminal hardware to the cloud for remote management. With wide coverage, easy installation, and stable IoT communication, it ensures efficient operation.

### ZAP-C (Ceiling)



Size: 180\*180\*33mm  
 Operating Temperature: -10~50°C  
 Power Supply: DC48V PoE  
 Weight: 500g  
 Communication Method: BLE private protocol  
 Bluetooth Module: 4  
 Operating Frequency Band: 2.4GHz, 5GHz  
 Wi-Fi Protocol: IEEE802.11a/b/g/n/ac(Wi-Fi 5)  
 Peak Transmission Rate: 1.167Gbps  
 Typical Coverage Distance: Indoor radius 30 meters

### ZAP-DX (Ceiling)



Size: 200\*200\*39mm  
 Operating Temperature: -10~50°C  
 Power Supply: DC48V PoE  
 Weight: 500g  
 Communication Method: BLE private protocol  
 Bluetooth Module: 4  
 Operating Frequency Band: 2.4GHz, 5GHz  
 Wi-Fi Protocol: IEEE802.11a/b/g/n/ac/**ax(Wi-Fi 6)**  
 Peak Transmission Rate: 1.77Gbps  
 Typical Coverage Distance: Indoor radius 30 meters

### ZAP-DL (Ceiling)

#### Geolocation



Size: 200\*200\*39mm  
 Operating Temperature: -10~50°C  
 Power Supply: DC48V PoE  
 Weight: 435g  
 Communication Method: BLE private protocol  
 Bluetooth Module: 4  
 Operating Frequency Band: 2.4GHz  
 Wi-Fi Protocol: IEEE802.11a/b/g/n  
 Peak Transmission Rate: 300Mbps  
 Typical Coverage Distance: Indoor radius 30 meters

### ZAP-U



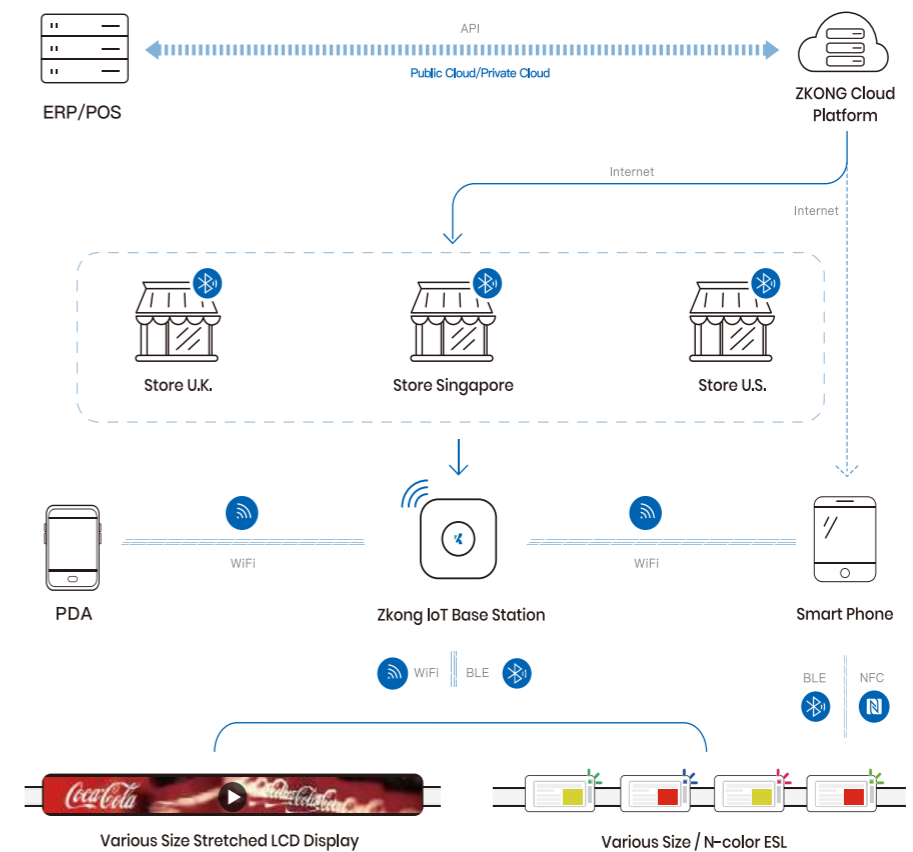
Size: 96.5\*35.8\*12.3mm  
 Operating Temperature: -10~50°C  
 Power Supply: USB TypeA (5V 500mA )  
 Communication Method: BLE private protocol  
 Bluetooth Module: 2  
 Operating Frequency Band: 2.4GHz / 5GHz  
 Wi-Fi Protocol: IEEE802.11a/b/g/n  
 Peak Transmission Rate: 150Mbps  
 Typical Coverage Distance: Indoor radius 30 meters

# SAAS CLOUD SYSTEM

## WORLD'S FIRST SaaS cloud ESL system

### Efficient and Fast

convenient, faster, and efficient, optimizing operational costs to increase store net profit. Users can remotely control price tags and update product information in real-time through any device's browser. The management process becomes more



- |    |                          |    |                    |
|----|--------------------------|----|--------------------|
| 01 | 99.999999% Success Rate  | 02 | 200+ Open APIs     |
| 03 | 100,000,000 Pcs Capacity | 04 | 128 -Bit           |
| 05 | Unlimited Stores Support | 06 | Worldwide Coverage |

# ADVANTAGES

## Core advantage

### Leading Smart Retail, Connecting the World

Over the past 20 years, ZKONG Network has built a global network of customers and partners.

They represent more than 3,000 brands from more than 60 countries and more than 200,000 stores worldwide. These brands and stores are not only the loyal customers and beneficiaries of ZKONG ESL system, but also the disseminators of smart control products and solutions, and constantly improve the business ecology of smart retail.

These customers are many of the industry leaders with international reputations, including Carrefour, Coop, SONY, etc.



### Bluetooth 5.1 communication technology

20+ Years Wireless Communication Technology



NFC+ Bluetooth refresh offline



Revolutionary BLE private protocol



Super anti-jamming performance



Ultra-Low Power High-Speed Transmission



Multi-wireless custom development



# ADVANTAGES

## SaaS cloud service

ZKONG cloud management platform offers flexible deployment options, allowing customers to choose between public or private cloud based on their needs.

This enables customized setups and standardized processes, driving agile innovation and intelligent digital transformation.

### Deployment Mode Comparison

Cloud Deployment		On-Premise Deployment
Subscription-based, with a lower initial cost.	<b>Cost</b>	High initial costs, with ongoing maintenance expenses.
Faster deployment with managed maintenance.	<b>Implementation &amp; Maintenance</b>	Longer setup, requiring in-house maintenance.
Managed by the service provider, with potential risks.	<b>Security</b>	Full control with higher security.
Highly scalable, allowing easy adjustments to resources.	<b>Flexibility &amp; Scalability</b>	Limited by physical resources.
Accessible remotely, managed by the provider.	<b>Data Access &amp; Management</b>	Faster local access, with full data control.
High availability, with built-in redundancy.	<b>Reliability &amp; Availability</b>	Dependent on local infrastructure.
Ensures provider meets regulatory standards.	<b>Compliance</b>	Easier to comply with local regulations.

01

100% Data Privacy

02

2-Hour Installation & Deployment

03

Linux OS Support

04

200+ Open APIs

05

Full Scalable Server Capacity

06

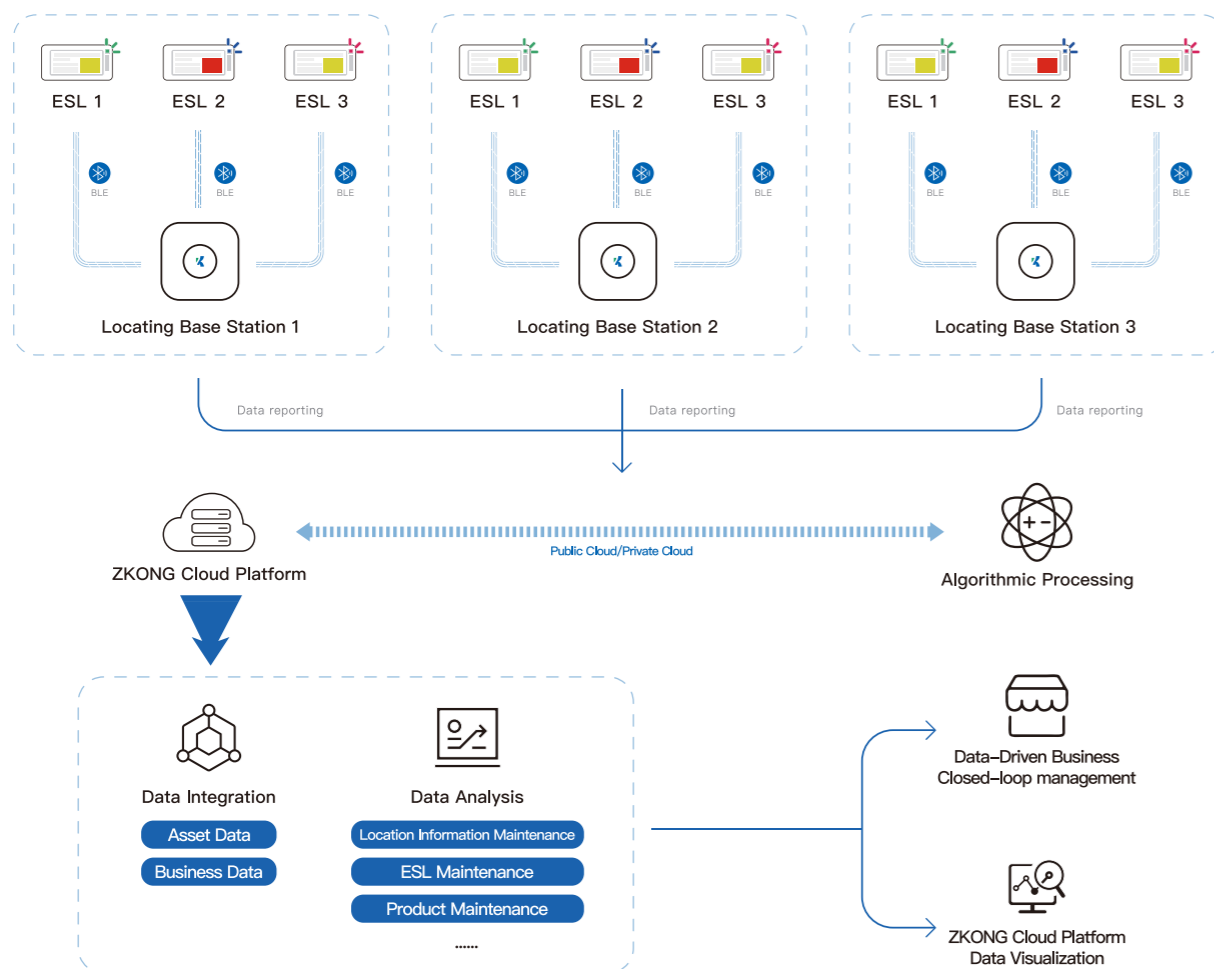
Unlimited Stores Support

# ADVANTAGES

## Positioning function

Based on the embedded positioning chip and module in the price tags, the system achieves precise location tracking. By establishing a positioning space using elements like spatial coordinates, base stations, and price tags, ZKONG ESL provides efficient and stable positioning across environments such as warehouses, retail stores, factories, and schools, addressing business needs in real-time and enhancing operational efficiency.

The Locating Function is realized through the Bluetooth communication between the price tag and the base station(ZAP-DL). The tag reports its own location information to the cloud platform. After receiving the location information of the price tag, the cloud platform carries out multi-dimensional visual analysis and early warning to complete the positioning business requirements for the goods.

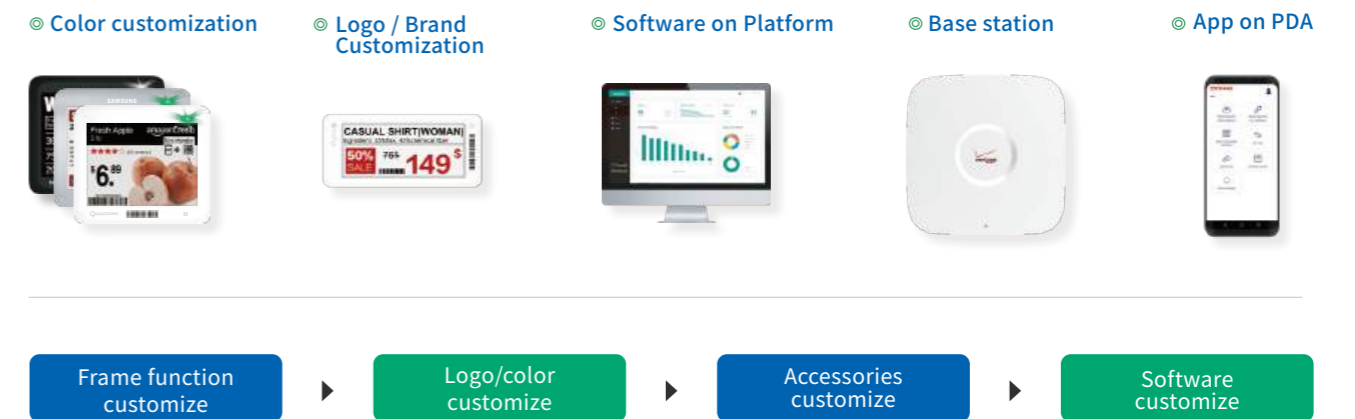


# SERVICE & PARTNERSHIP

## Support

### Flexible and Agile Customization

With its in-house production lines, ZKONG can fully customize products to meet flexible customer demands, providing cost-effective finished goods. Leveraging a flexible supply chain and extensive customization options, ZKONG helps retailers quickly adapt to market changes, offering tailored solutions that enhance operational efficiency and customer experience in the fast-paced retail environment.



### Service for Partner

- Solution Consultant**  
 Provide consultancy for the best practicable solution for each industry
- Custom Development**  
 Backed by a strong production and R&D center, we deliver high-performance solutions to meet enterprise-level needs across industries.
- Marketing Service**  
 To provide latest industry news, market information and designs, and tools for promotion
- Training Mechanism**  
 Provide online, offline, and on-site training programs to all the ESL users
- Install & Pre-run**  
 Expert services for the use, installation, deployment, and maintenance of price tag systems, ensuring rapid adoption of electronic shelf label technology.
- Maintain and Upgrade**  
 Support after-sale maintenance for the international market include system upgrade

# GLOBAL COLLABORATIONS

## Worldwide partner strategy

### Building a Business Ecosystem for Mutual Growth

Developing and maintaining partner relationships is a key focus of ZKONG's business. In the future, ZKONG will build a global marketing network that integrates industry, region, and product. We will provide partners with services in business management, marketing and sales management, supply chain management, customer relationship management, and technical support. At the same time, we aim to create a business ecosystem where partners, end customers, and suppliers share benefits and grow together.

### Customer-Centric Business Model



#### Win-Win Cooperation

ZKONG offers all products and related services with a focus on customer experience and partnership.



#### Sales Network

ZKONG has established a global distributor system, ensuring smooth distribution channels and protecting the interests of its partners through a well-structured distributor program.

# GLOBAL COLLABORATIONS

## Service item

### Rapid Global Market Delivery

Huge production potential to easily meet orders from the global market.

### Professional Channel Network

ZKONG opened the company's internal marketing platform to partners, established a professional distribution network, and achieved a win-win situation with partners around the country.



#### Business Coverage

ZKONG's flexible manufacturing platform and industry-leading R&D capabilities ensure that customers consistently receive highly customized services.



#### Regional Support

ZKONG has established multiple offices worldwide, deeply embedded in local business hubs, enabling quick responses to various customer needs.

# GLOBAL COLLABORATIONS

## Cooperative brand

