CONTACT US

zkong zkong zkong

ZKONG

A Global Leader in ESL and IoT Technologies

Drive Better Connections through Smart Display Solutions

ZKONG NETWORKS CO., LTD

22F, No.558 Science Park Road, Baiyang Street, Qiantang District, Hangzhou, China

+86-15958009178 / 400-856-9811

E-mail：info@zkong.com

www.zkong.com

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WWW.ZKONG.COM

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COMPANY PROFILE

Company Profile

ZKONG NETWORKS 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 NETWORKS delivers end-to-end IoT and digital solutions for seamless connectivity and intelligent management.

With over 19 years of R&D experience, ZKONG NETWORKS 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 NETWORKS now has subsidiaries in Europe, North America, and the Asia—Pacikc region. With over 3,000 customers worldwide, we partner with leading brands to drive digital transformation and explore new industry possibilities.

Mission
Shaping the
Smart Retail Future

Vision
Empowering Business
with Technology

Values
Customer-Centric
Excellence, Innovation

INDUSTRY APPLICATION

Core Data

19+
R&D Experience

220+
Patents

300+
R&D Personnel

3,000+
Brands

200,000+
Deployed Stores



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

2006
Founded

R&D, Manufacturing, and Sales of Wireless Communication Equipment

2013
Automation

40,000 square meters of its own new plant completed, the introduction of automatic electronic product production line and MES system

2017
New Retail

Global launch of SaaS-based ESL solution, driving R&D and manufacturing

2019
Global Expansion

ESL international expansion, with offices in Europe, North America, and Asia-Pacific

2024
Smart Connect

Over 200,000 stores globally deployed; National-level SMEs in Specialized New Sectors

Overseas Market

Leading Globally

Expanding into Global Markets Enhancing Local Services

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



INDUSTRY APPLICATIONS

Manufacturing

ZKONG operates a 40,000㎡ 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
- FCC/CE/RoHS
- ISO9001/ISO14001
- ISO50001/SA8000

INDUSTRY APPLICATIONS

Smart retail

Smart retail refers to the seamless integration of online and oNine retail environments, supported by big data, artikcial intelligence, and loT 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 with AI is redefining the industry

Supermarket
Convenience Store
Cosmetics
Pharmacy
Warehouse club
Consumer Electronic
Grocery Store



SOLUTIONS

Smart IoT

Through smart devices and network connectivity, data collection, analysis, and auto— mation are achieved. It is widely applied in logistics & warehousing, health–care, office enviromments, and more, driving digital transformation and intelligent upgrades across industries.

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.



SOLUTIONS

Solution Overview

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 cos

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 platf orm, 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

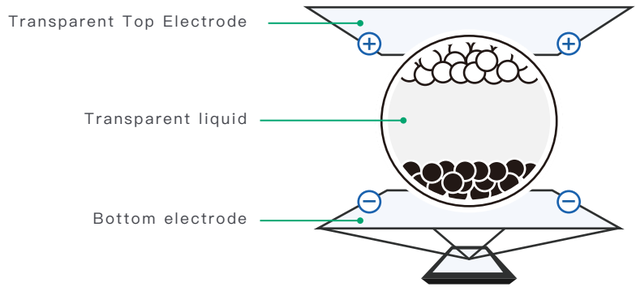
About「EPD」

With a steady partnership with the industry leader Eink, ZKONG has been developing e—paper—related technologies and enhancing the market level-up 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

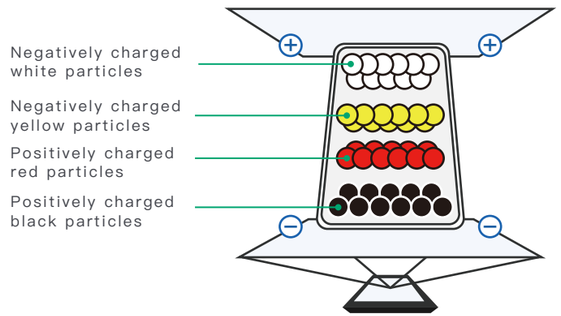
Black and White Ink Spectrum



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

Quad-Particle Ink System

Black, White, Red, and Yellow Ink Spectrum

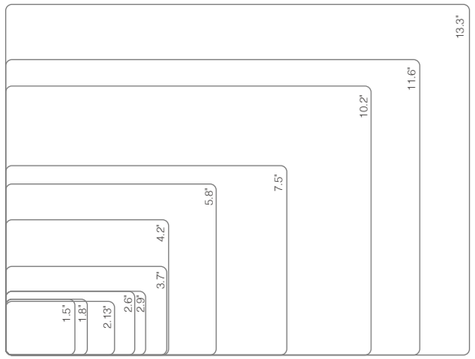


The ZKONG 4-particle system adds charged color particles in addition to white, enabling a broader color spectrum with black, white, red, and yellow.

ESL LINE-UP

Electronic Shelf Labels

unit:mm



- 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

B **Blade**
⩾4mm ultra-thin · high durability · replaceable battery

V **Valley**
light and elegant · high contrast · rich size

S **Shield**
protection cover · IP67 rating · longer battery life

E **Essence**
multi-color · NFC · customizable design

F **Fashion**
Portable and Versatile, Adapting to Various Consumer Scenarios



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℃
Resolution ：200*200

NFC LED Replace

ZKC21S

Black/White/Red/Yellow



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

NFC LED Replace

ZK21SF

Black/White



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

NFC LED Freeze

ZK26SF

Black/White



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

NFC LED Freeze

ZKC26S

Black/White/Red/Yellow



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

NFC LED Replace

ZKC29S

Black/White/Red/Yellow



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

NFC LED Replace

ZKC37S

Black/White/Red/Yellow



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

NFC LED Replace

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*27mm
Operate temperature：0~40℃
Resolution ：200*200

NFC LED Replace

ZKC18V

Black/White/Red/Yellow



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

NFC LED Replace

ZKC21V

Black/White/Red/Yellow



Size：70*34.5*12.1mm
Screen：48.55*23.7
Operate temperature：0~40℃
Resolution ：122*250

NFC LED Replace

ZKC26V

Black/White/Red/Yellow



Size：83*41*12.1mm
Screen：60.09*30.7mm
Operate temperature：0~40℃
Resolution ：152*296

NFC LED Replace

ZKC29V

Black/White/Red/Yellow



Size：90*41*12.1mm
Screen：66.9*29.06mm
Operate temperature：0~40℃
Resolution ：296*128

NFC LED Replace

ZKC35V

Black/White/Red/Yellow



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

NFC LED Replace

ZKC37V

Black/White/Red/Yellow



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

NFC LED Replace

ZKC42V

Black/White/Red/Yellow



Size：104.8*87*12.8mm
Screen：84.8*63.6mm
Operate temperature：0~40℃
Resolution ：400*300

NFC LED Replace

ZKC58V
Black/white/red/yellow



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

NFC
Replace

ZKC75V
Black/white/red/yellow



Size : 180.8*121.8*9mm
Screen : 163.24*97.94mm
Operate temperature : 0~40℃
Resolution : 800*480

NFC
Replace

ZKC102V
Black/white/red/yellow



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

NFC
Replace

ZKC116V
Black/white/red/yellow



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

NFC
Replace

ZKC133V
Black/white/red/yellow



Size : 298.3*225.5*9mm
Screen : 275.52*195.16mm
Operate temperature : 0~40℃
Resolution : 960*680

NFC
Replace

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℃
Resolution : 168*224

NFC
LED
Replace

ZKC22B
Black/white/red/yellow



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

NFC
LED
Replace

ZKC21B
Black/white/red/yellow



Size: 71*34.7*11.6mm
Screen: 48.55*23.7mm
Operate temperature: 0~40℃
Resolution : 122*250

NFC
LED
Replace

ZKC21BP
Black/white/red/yellow



Size: 71*34.7*6.6mm
Screen: 48.55*23.7mm
Operate temperature: 0~40℃
Resolution : 122*250

NFC
LED

ZKC26B
Black/white/red/yellow



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

NFC
LED
Replace

ZKC26BP
Black/white/red/yellow



Size: 84.2*40.5*4.5mm
Screen: 60.09*30.7mm
Operate temperature: 0~40°
Resolution : 152*296

NFC
LED

ZKC29B
Black/white/red/yellow



Size: 92*41.5*9.7mm
Screen: 66.9*29.06mm
Operate temperature: 0~40°
Resolution :128*296

NFC
LED
Replace

ZKC29BP
Black/white/red/yellow



Size: 91.5*41*4.5mm
Screen: 66.9*29.06mm
Operate temperature: 0~40°
Resolution :128*296

NFC
LED
Replace

ZKC35B
Black/white/red/yellow



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

NFC LED Replace

ZKC42B
Black/white/red/yellow



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

NFC LED Replace

ZKC42BP
Black/white/red/yellow



Size: 103.6*87*10.3mm
Screen：84.8*63.6mm
Operate temperature：0~40℃
Waterproof class：IP67
Resolution : 400*300

NFC LED Replace IP66

ZKC43B
Black/white/red/yellow



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

NFC LED Replace

ZKC45B
Black/white/red/yellow



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

NFC LED Replace

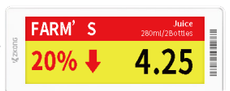
ZKC58B
Black/white/red/yellow



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

NFC LED Replace

ZKC59B
Black/white/red/yellow



Size: 164.1*62.2*10mm
Screen：56.94*150.92mm
Operate temperature：0~40℃
Resolution :792*272

NFC LED Replace

ZKC73B
Black/white/red/yellow



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

NFC LED Replace

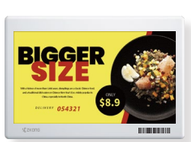
ZKC75B
Black/white/red/yellow



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

NFC LED Replace

ZKC82B
Black/white/red/yellow



Size : 198.2*135*13mm
Screen : 180.224*101.376mm
Operate temperature : 0~40℃
Resolution : 1024*576

NFC LED Replace

ZKC97B
Black/white/red/yellow



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

NFC LED Replace

ZKC102B
Black/white/red/yellow



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

NFC LED Replace

ESL SERIES
(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℃
Resolution : 296*128

NFC LED Replace

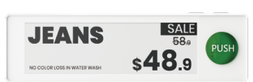
ZKC29B-J
Black/white/red/yellow



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

NFC LED Replace

ZK43B-J
Black/white



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

NFC LED Replace

ZK58B-J
Black/white



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

NFC LED Replace

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 plat-form 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℃
Resolution　:400*600
Color support: Full color

NFC
Charge

ZKC75V-D

Black/white/red/yellow



Size: 180.8*121.8*9mm*2
Screen：163.24*97.94mm*2
Operate temperature：0~40℃
Resolution　:528*880

NFC
Replace

ZKC73B

Full color electronic paper display



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

NFC
LED
Replace

ZKC73E

Full color electronic paper display



Size: 176.8*124.3*13mm
Screen：163.2*97.92mm
Operate temperature：0~40℃
Resolution　:800*480
Color support: Full color

NFC
Replace

ZKC133E

Full color electronic paper display



Size：298.3*228*9mm
Screen：270*203mm
Resolution　:1200*1600
Operate temperature：0~40℃
Color support: Full color

NFC
Replace

ZKC315E

Full color electronic paper display



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

NFC
Replace

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.

ZKC21F

Black/white/red



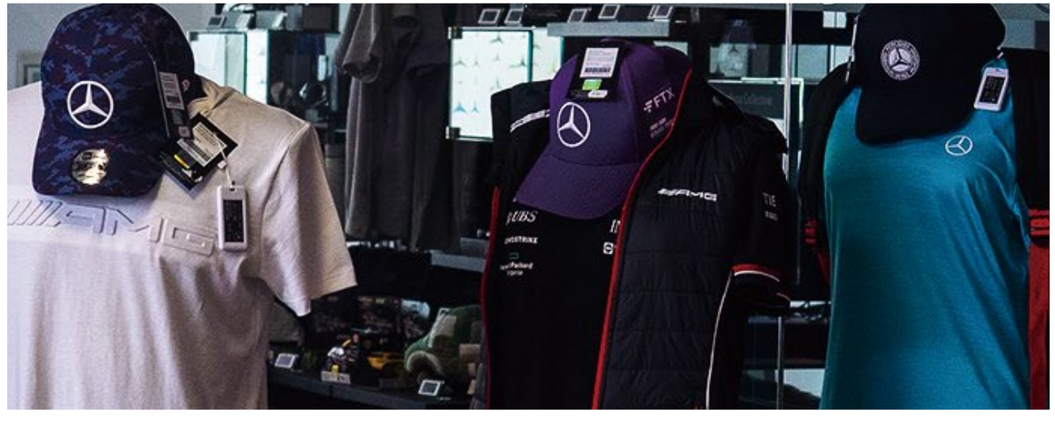
Size：75*36*7.2mmmm
Screen：48.55*23.7mm
Operate temperature：0~40℃
Resolution　：122*250

NFC
Replace





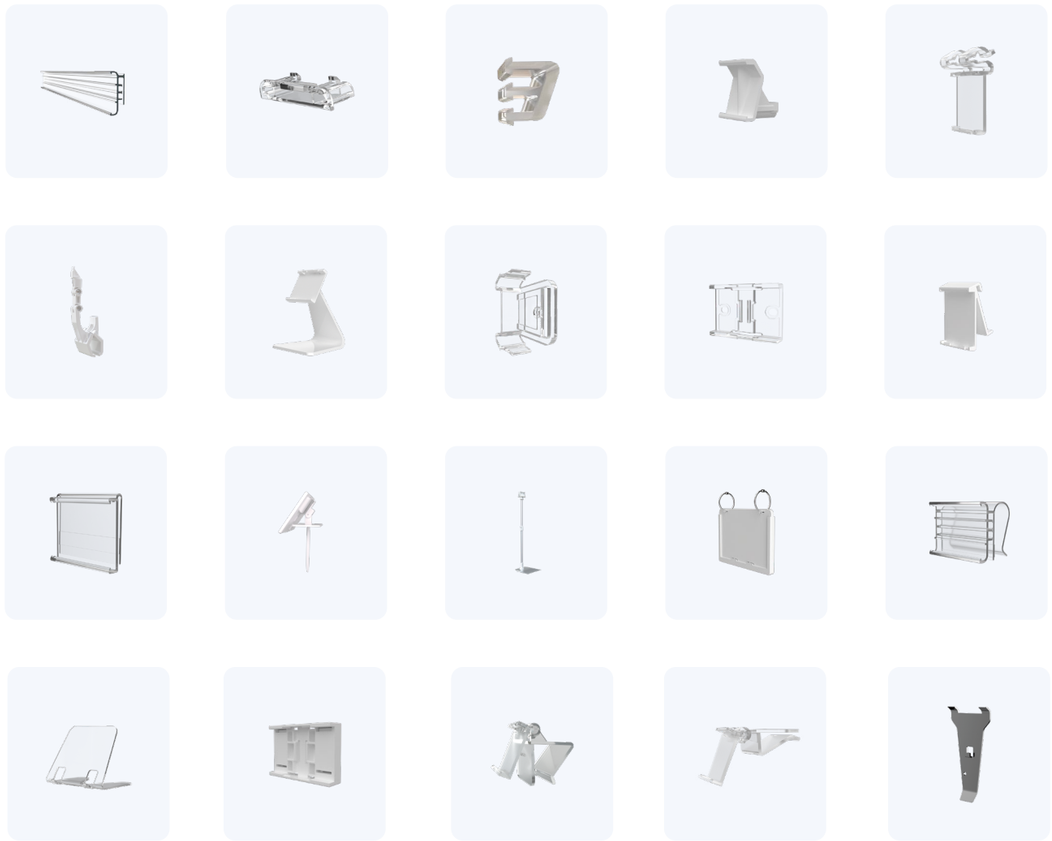




ESL ACCESSORIES

ESL Accessories

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



LCD LINE-UP

Sparkle Series

Rich Material Library

Find unlimited materials collected, help realize a more comprehensive promotion

HD Display

HD full colour display with outstanding picture quality

Rapid Response

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

Cloud Management

Managed with Cloud architecture, integrated with ZKONG ESL system

High Protection

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

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

HD Full | IP66 IP66 | Acrylic case | Wi-Fi | Cloud Mgt

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





ZKS101-A/ZKS101D-A

Single/double sided LCD display

HD Full | IP5X IP5X | Wi-Fi | Cloud Mgt

Size: 243*150.1*14mm
Screen: 216.576*135.36mm (*2)
Color: Full-clolor
Resolution: 1280*800
Supported formats: text/image/video
Waterproof rating: IP5X
Humidity: 10% - 80% RH (no condensation water)
Wireless transmission: Wi-Fi
Operating temperature: 0-50℃
Power supply: DC power supply





ZKS135

Single-sided LCD display

HD Full | IP66 IP66 | Acrylic case | Wi-Fi | Cloud Mgt

Size: 217.3*309.3*16.1mm
Screen: 284.93*189.96mm
Color: Full-clolor
Resolution: 2256*1504
Supported formats: text/image/video
Waterproof rating: IP66
Wireless transmission: Wi-Fi
Operating temperature: 0-50℃
Power supply: DC power supply





ZKS141-A/ZKS141D-A

Single/double sided LCD display

HD Full | IP5X IP5X | Wi-Fi | Cloud Mgt

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





ZKS156-A

Single-sided LCD display

HD Full | IP5X IP5X | Wi-Fi | Cloud Mgt

Size: 367.9*220.7*14.5mm
Screen: 193.59*344.16mm
Color: Full-clolor
Resolution: 1920*1080
Supported formats: text/image/video
Waterproof rating: IP5X
Wireless transmission: Wi-Fi
Operating temperature: 0-50℃
Power supply: DC power supply

LCD LINE-UP

Legendary series

HD Display

Unlimited and display scenes

7x24h on air

Reliable and ongoing promotional display

Cloud Management

Remote and wireless management

Wi-Fi Connective

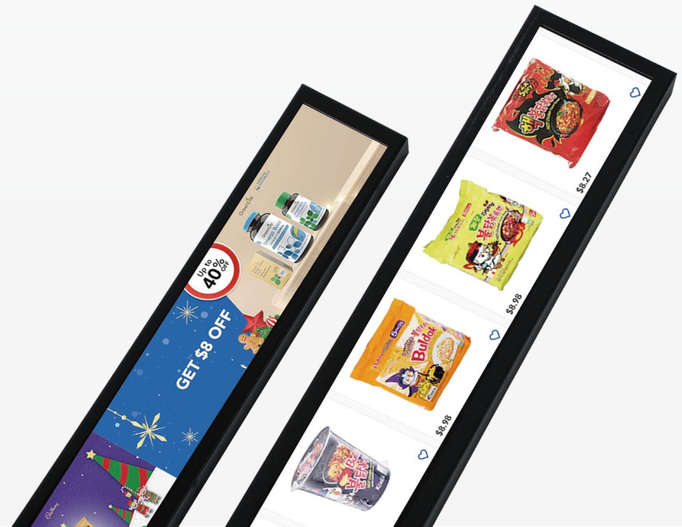
Seamlessly synchronize commercials

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 I 23.1" LCD (Touchscreen)



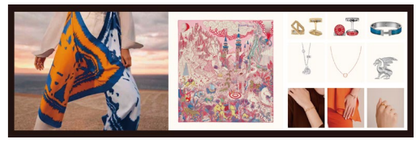
Size: 597.4*60.4*15.8mm
Screen: 585.6*48.19mm
Resolution: 1920*158
Operating temperature: 0-50°
WI-FI: Supports 2.4GHz
Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

ZKL350 I 35" LCD



Size: 891.6*60.4*15.8mm
Screen: 878.4*48.19mm
Resolution: 2880*158
Operate temperature: 0-50°
WI-FI: 2.4GHz
Video formats: AVI、WMV、MPEG、MPG、MKV、FLV、MOV、MP4, etc

ZKL290 I 29" LCD (Touchscreen)



Size: 739.4*237.4*29.05mm
Screen: 700.8*198.8mm
Resolution: 1920*540
Operate temperature: 0-50°
WI-FI: 2.4GHz
Video formats: AVI、WMV、MPEG、MPG、MKV、FLV、MOV、MP4, etc

ZKL356 I 35.6" LCD



Size: 899.5*262.5*17.8mm
Screen: 878.112*242.67mm
Resolution: 1920*533
Operate temperature: 0-50°
WI-FI: 2.4GHz
Sound support: Supported
Video formats: AVI、WMV、MPEG、MPG、MKV、FLV、MOV、MP4, etc

ZKL470 I 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

ZKL490 I 49″ LCD



Size: 1125.2mm×655.4mm × 14.5mm
Screen: 1077.3*605.9mm
Resolution: 1920*1080
Operating temperature: 0–50°
WI–FI: Supports 2.4GHz
Sound support: Supported
Video formats: AVI, WMV, MPEG, MPG, MKV, FLV, MOV, MP4, etc

ZKL550 I 55″ LCD



Size: 794mmx1900mmx45mm
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

AP

High Scalability

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

Superior Coverage

Up to 700 m^2 indoor coverage per base station and 40 meters range in non–obstacle environment

Easy Installation

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

Safety & Stability

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

Intelligent System

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

IoT Protocols Custom

Support various IoT protocols such as BLE, Sub1GHz, Wi–Fi etc. for various customization

BASE STATION

AP

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
Operate temperature: -10~60℃
Power supply: 48V POE
Weight: 500g
Communication method: BLE private protocol
Bluetooth module: 4
Transmission rate: Downlink: 1Mbps; Uplink: 1Mbps
Operating frequency band: 2.4GHz+5GHz
WIFI protocol: 802.11b/g/n/ac
Speed: 1167Mbps
Coverage distance: Indoor radius 30 meters

ZAP-DX（Ceiling）



Specification and size: 215*215*39mm
Operating temperature: -10 to 60℃
Power supply: 48V POE
Weight: 500g
Communication method: BLE private protocol
Bluetooth module: 4
Transmission rate: Downlink: 1M bps; Uplink: 1Mbjps
Operating frequency band: 2.4GHz+5GHz
WIFI protocol: 802.11b/g/n/ac/ax (wifi 6)
Speed: 1167Mbps
Coverage distance: Indoor radius 30 meters

ZAP-DL（Ceiling）



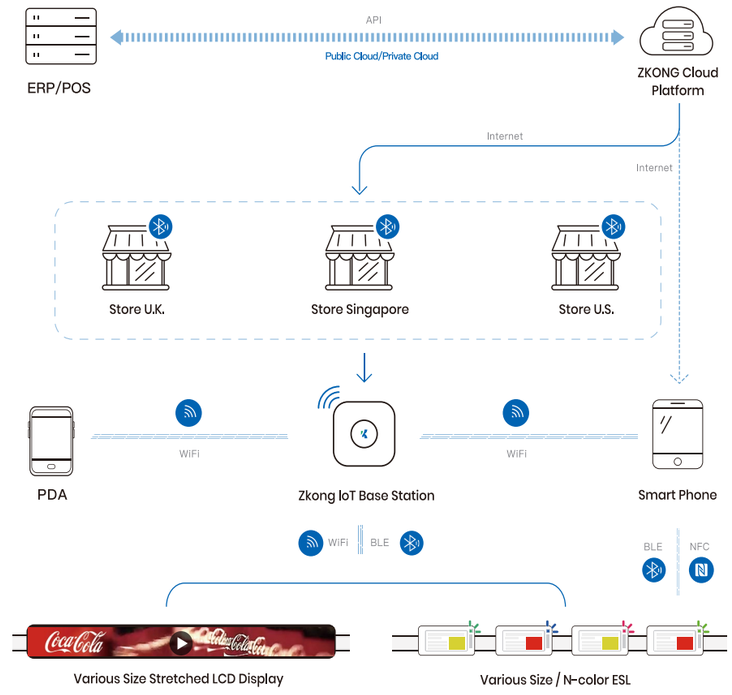
Size: 200*200*39mm
Operate temperature: -10~60℃
Power supply: 48V POE
Weight: 500g
Communication method: BLE private protocol
Bluetooth module: 4
Transmission rate: Downlink: 1Mbps; Uplink: 1Mbps
Operating frequency band: 2.4GHz+5GHz
WIFI protocol: 802.11b/g/n/ac
Speed: 1167Mbps
Coverage distance: Indoor 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	99.9999999% 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

We aim to the World

Over the past 19 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

19+ Years Wireless Communication Technology

Revolutionary BLE private protocol

Ultra-Low Power High-Speed Transmission

NFC+ Bluetooth refresh offline

Super anti-jamming performance

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.	Cost	High initial costs, with ongoing maintenance expenses.
Faster deployment with managed maintenance.	Implementation & Maintenance	Longer setup, requiring in-house maintenance.
Managed by the service provider, with potential risks.	Security	Full control with higher security.
Highly scalable, allowing easy adjustments to resources.	Flexibility & Scalability	Limited by physical resources.
Accessible remotely, managed by the provider.	Data Access & Management	Faster local access, with full data control.
High availability, with built-in redundancy.	Reliability & Availability	Dependent on local infrastructure.
Ensures provider meets regulatory standards.	Compliance	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

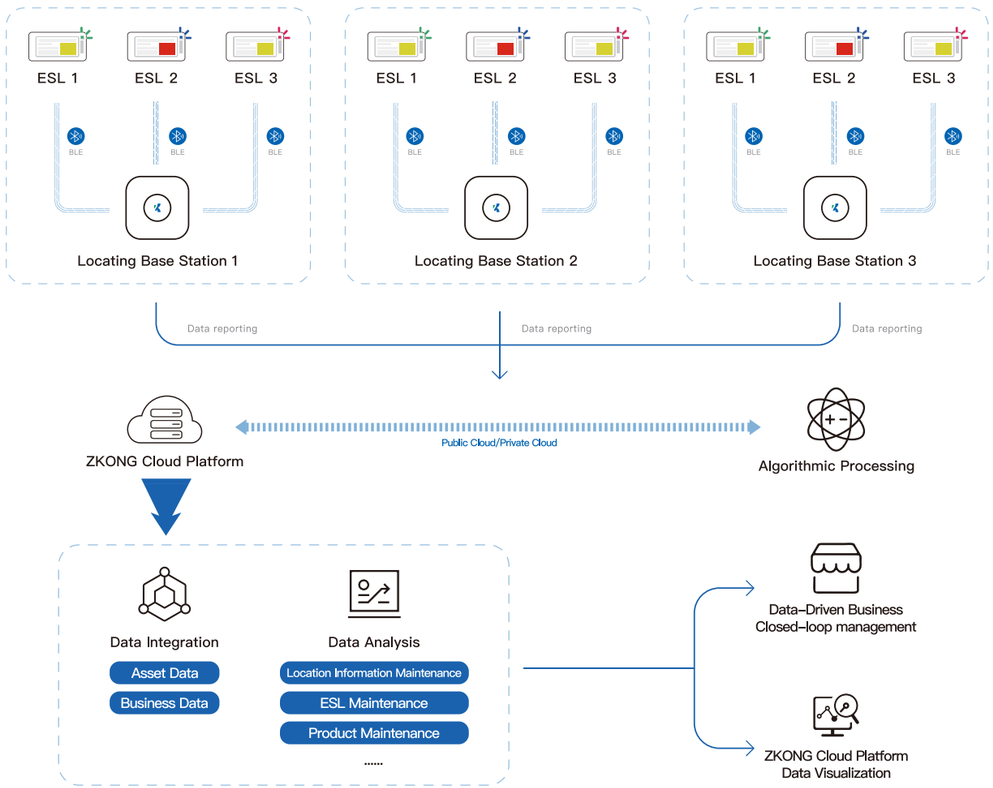
06 Unlimited Stores Support

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. 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.

◎ Color customization



◎ Logo / Brand Customization



◎ Software on Platform



◎ Base station



◎ App on PDA



Frame function customize ▸ Logo/color customize ▸ Accessories customize ▸ Software customize

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 forpromotion

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

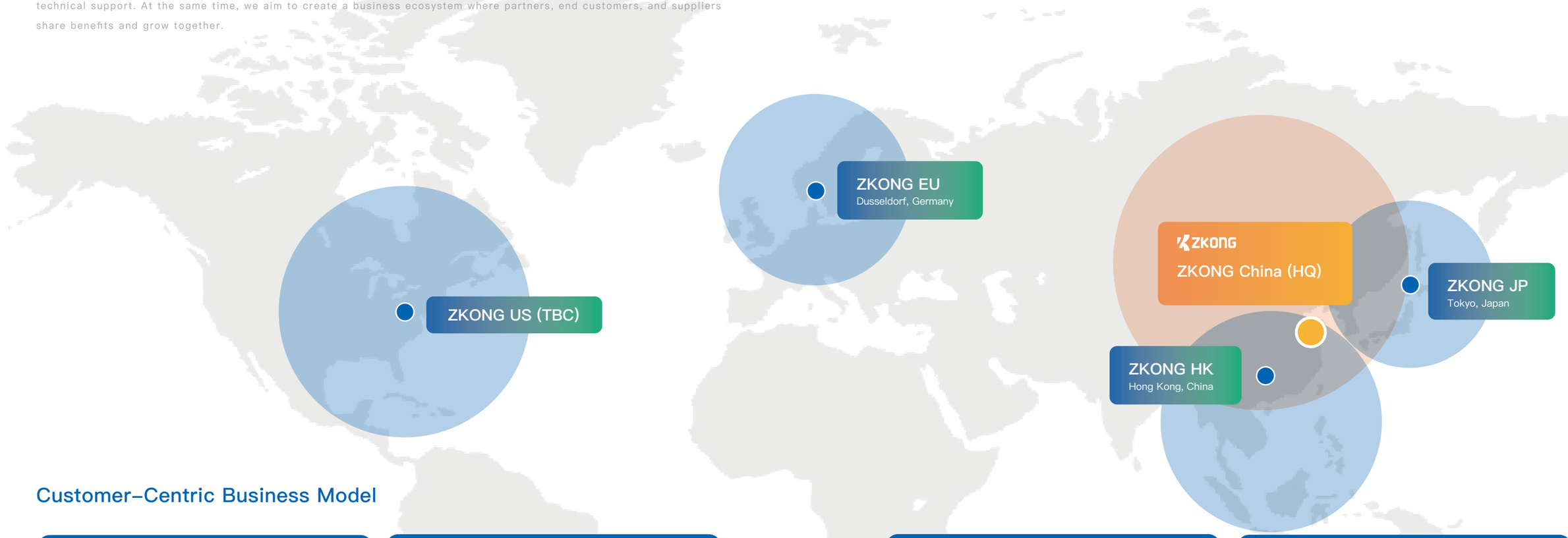
Support after-sale maintenance for the international market include system upgrade

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

WWW.ZKONG.COM

ZKONG NETWORKS CO., LTD

A Global Leader in ESL and IoT Technologies