Electronic Shelf Label System

Innovates to connect your stores with the highest eficiency

The new Electronic Shelf Labels (ESL) are battery powered electronic displays for automatic shelf prices update.
Back office information can be displayed on ESL: price changes, stock inventory, stock-outs, orders in progress and more.
ESL has been designed to interact with users, not only to show the correct prices, but also to optimize store operations.

BEST *DEAL*

KAKACARE INF
FORMULA GOLD+
1 START 900G

€ **22,⁹⁵**

Reliability

- 5 year battery life
- High performance e-ink display
- Built-in tri-color LED indicator
- Automatic operation management
- Data encryption transmission
- Centralized monitoring and alert system

Get real | Low prices

6XOEUFS GROS PAROLE

408g
3.55€ / kg

7.45 €

The ESL technology is a trusted partner among retailers worldwide. We strive to enhance the shopping experience by developing cutting edge technology and providing services to solve our clients' in-store challenges. Our innovative spirit begins with our global team, improves The ESL system is designed to replace traditional pricing labels and ensures the price updates in stores are instant and accurate. Additionally, the ESL system can reduce operational costs, optimize supply chain management and add dynamic features to retail business management. the way we operate, and ultimately helps us deliver compelling end-toend solutions.

As an integrated and professional Electronic shelf label (ESL) manufacturer, is aiming to provide clients with world One of the major trends in retail is called Omni-channel which is a crosschannel business model used to enhance customer experience.

In this new model, ESL plays an important role of connecting online/ offline channels and synchronizing class ESL solutions and services. The ESL system is based on our customized Wireless Application Protocol Technology, which is widely applied in every type of retail environment including hypermarkets, shopping malls, boutiques, chain stores, pharmacies and other retail sectors using price labels.

Products

RH3STNESL / RH33STNESL

Maximum Information, Minimum Space

Minimal facing: suitable for accessories,
perfume, hygiene and beauty products.

Technical Features

Model: 1.5

Size: 48 x 35 x 15.8 mm

Weight: 27 g

Temperature: 0 ℃ ~ 30 ℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator ● ● ●

Display

Technology: three pigment electronic ink system

Size: 27.60 x 27.60 mm

Resolution: 152 x 152 pixel

Visual angle: > 170°

DPI: 140

Display colors: black/white/red/yellow

Battery

Battery: 1 x CR 2477

Battery life: 5 years (1 update per day)

Feature

NFC technology

Built-in interactive NFC chip

RH3FNESL / RH33MNESL

E-ink Display its Best-selling Format

Compact and functional design.
Perfect in for any of department.

Technical Features

Model: 2.1

Size: 70 x 35 x 13. 2 mm

Weight: 36 g

Temperature: 0 ℃ ~ 30 ℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator ● ● ●

Display

Technology: three pigment electronic ink system

Size: 48.55 x 23.71 mm

Resolution: 255 x 122 pixel

Visual angle: > 170°

DPI: 131

Display colors: black/white/red/yellow

Battery

Battery: 2 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology

RH3XMNESL / RH33XMNESL

Personalized and Perfect Visibility

Compact and functional design.
Ideal for visualizing text and graphics.

Technical Features

Model: 2.6

Size: 84 x 41 x 13.1 mm

Weight: 43 g

Temperature: 0 ℃ ~ 30 ℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator ● ● ●

Display

Technology: three pigment electronic ink system

Size: 66.09 x 30.70 mm

Resolution: 296 x 152 pixel

Visual angle: > 170°

DPI: 125

Display colors: black/white/red/yellow

Battery

Battery: 2 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology

The resolution and DP I vary with different screen

RH3LNESL / RH33LNESL

Personalized and Perfect Visibility

High-definition display.
Perfect for text and graphic visualization.

Technical Features

Model: 2.9

Size: 91 x 41 x 13.1 mm

Weight: 47 g

Temperature: 0 ℃ ~ 30 ℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator ● ● ●

Display

Technology: three pigment electronic ink system

Size: 66.90 x 29.06 mm

Resolution: 296 x 128 pixel

Visual angle: > 170°

DPI: 112

Display colors: black/white/red/yellow

Battery

Battery: 2 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology

Built-in interactive NFC chip

Products

RH33XLNESL

Great Definition and Visibility

Perfect for bench top placement, fruit & vegetables and appliances sections. Enables price, QR code and bar code, all on one screen.

Technical Features

Model: 4.2

Size: 104.8 x 94 x 11.8 mm

Weight: 115 g

Temperature: 0 ℃ ~ 30℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator

Display

Technology: three pigment electronic ink system

Size: 84.80 x 63.60 mm

Resolution: 300 x 400 pixel

Visual angle: > 170°

DPI: 110

Display colors: black/white/red/yellow

Battery

Battery: 4 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology
Waterproof

Built-in interactive NFC chip

RH33XXLNESL

Highly Effective Communication

More effective promotions, thanks to its large screen allowing high-definition images for an impacting visual effect.

Technical Features

Model: 5.8

Size: 138.2 x 113.6 x 12.3 mm

Weight: 160 g

Temperature: 0 ℃ ~ 30℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator

Display

Technology: three pigment electronic ink system

Size: 118.78 x 88.22 mm

Resolution: 648 x 480 pixel

Visual angle: > 170°

DPI: 138

Display colors: black/white/red/yellow

Battery

Battery: 4 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology
Waterproof

RH33XXXLNESL

Highly Effective Communication

More effective promotions, thanks to its large screen allowing high-definition images for an impacting visual effect.

Technical Features

Model: 7.5

Size: 183.9 x 126.9 x 13.2 mm

Weight: 270 g

Temperature: 0 ℃ ~ 30℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator

Display

Technology: three pigment electronic ink system

Size: 163 x 98 mm

Resolution: 640 x 384 pixel

Visual angle: > 170°

DPI: 100

Display colors: black/white/red/yellow

Battery

Battery: 6 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology

Built-in interactive NFC chip

RH33XXXXLNESL

Highly Effective Communication

More effective promotions, thanks to its large screen allowing high-definition images for an impacting visual effect.

Technical Features

Model: 10.2

Size: 235.5 x 174 x 12.6 mm

Weight: 365 g

Temperature: 0 ℃ ~ 30℃

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator

Display

Technology: three pigment electronic ink system

Size: 215.52 x 143.68 mm

Resolution: 640 x 384 pixel

Visual angle: > 170°

DPI: 113

Display colors: black/white/red/yellow

Battery

Battery: 6 x CR 2450

Battery life: 5 years (4 updates per day)

Feature

NFC technology

Products

RH3MFNESL

E-ink Display in its Best-selling Format

Compact and functional design.
Perfect for any of department.

Technical Features

Model: 2.1

Size: 70 x 35 x 14.5 mm

Weight: 37 g

Temperature: -20 °C ~ 0°C

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator

Display

Technology: two pigment electronic ink system

Size: 48.55 x 23.71 mm

Resolution: 212 x 104 pixel

Visual angle: > 170°

DPI: 111

Display colors: black/white

Battery

Battery: 1 x low temperature battery

Battery life: 4 years (1 update per day)

Feature

NFC technology/Freezer label on request

RH3XMFNESL

E-ink Display in its Best-selling Format

Compact and functional design.
Ideal for visualizing text and graphics.

Technical Features

Model: 2.1

Size: 84 x 41 x 13.1 mm

Weight: 43 g

Temperature: -20 °C ~ 0°C

Update time: up to 18.000 labels per hour

Barcode: frontal

Tri-color LED indicator

Display

Technology: two pigment electronic ink system

Size: 60.09 x 30.70 mm

Resolution: 296 x 152 pixel

Visual angle: > 170°
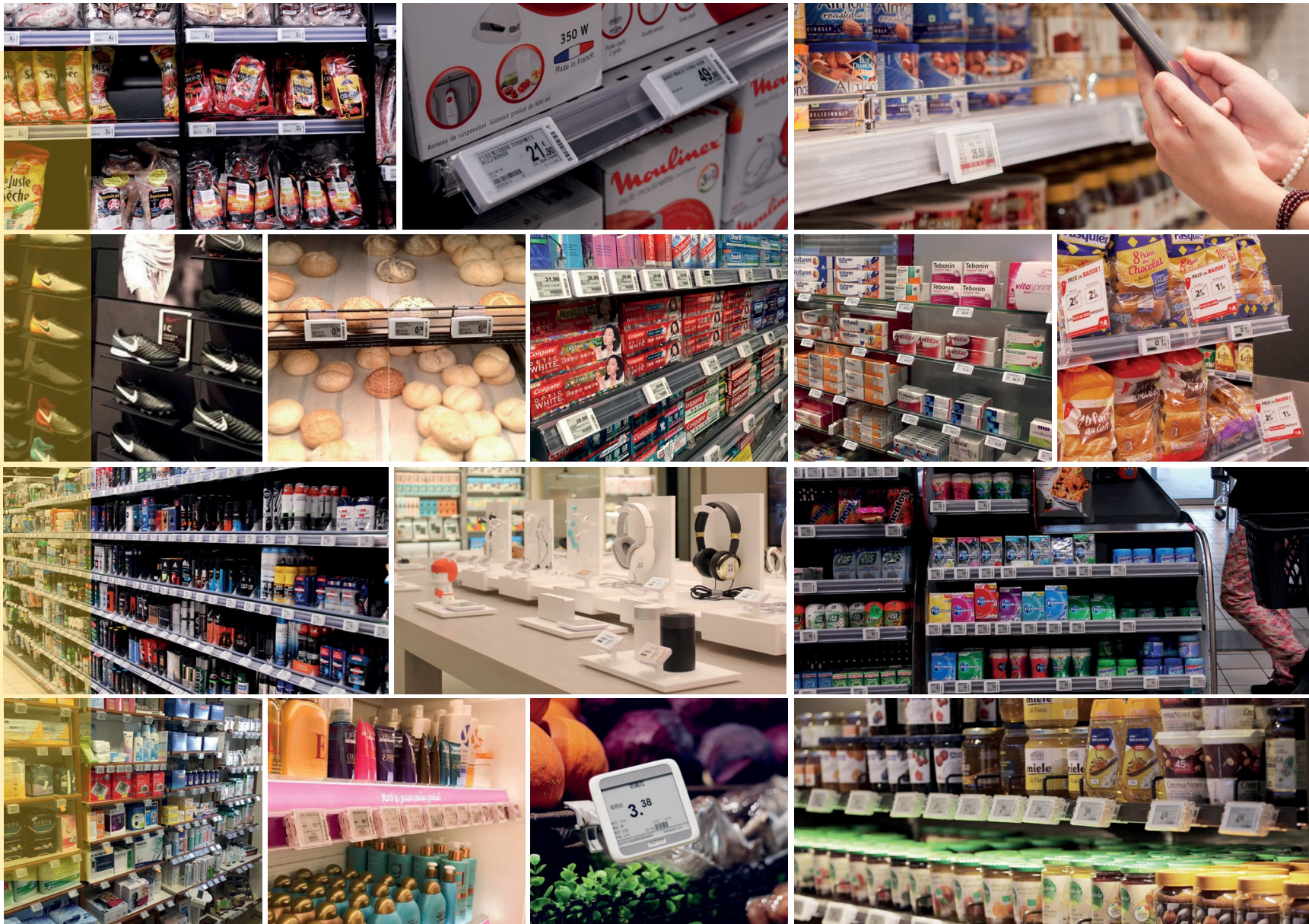
DPI: 125

Display colors: black/white

Battery

Battery: 1 x low temperature battery

Battery life: 4 years (1 update per day)

Feature
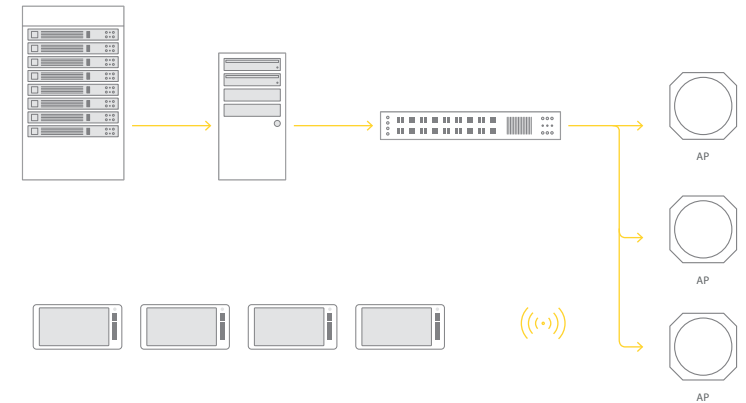
NFC technology/Freezer label on request

Built-in interactive NFC chip

Access point RH309851C

ESL AP is vital component of Electronic Shelf Label system, it is a data transmission link responsible for the important tasks of data forwarding:

> Forwarding uplink data: ESL access point connects to ESL-Working over a wired network and sends price changes, inventory, templates and other data to ESL;

> Forwarding downlink data: The ESL access point operates in 2.4G protocolspecification, based on the ESL radio protocol standard to ESL-Working platform to forward ESL heartbeats and other information.

MODEL	RH309851C	TRANSMIT POWER	< 10dBm
INPUT VOLTAGE	DC12V or POE af/at	BAND FREQUENCY	2.400～2.4835GHz
CPU	528MHz ARM	CONNECTION RATE	10/100M
COLOR	WHITE（BLACK OPTIONAL）		

TECHNICAL DETAILS :

Linux
OS linux embedded operations system supports ethernet port upgrade

4-way antenna
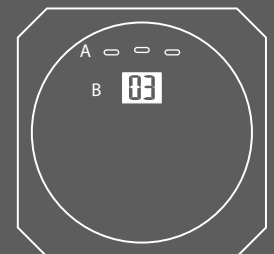Designed to support transmit parallel communication

Automatic
Configures and connects to ESL-Working

LED Indicator
Displays assigned number and information about any error status communication

Compatibility
Supports all generations of LCD and EPD ESL

Power Supply Options
Supports both DC power supply and POE power supply

Visualization
A. 3-group LED：one green LED, indicates the power state.
   Two red /green color LEDs, indicates the operational state of the base station RF sub-system
B. 2-digit LED: green, displays base station identification code

Shop Web

Product Features

> Easy To Use
The software is designed to meet the needs of different users, which is user friendly and has practical query function .

> Advanced
Shopweb is using internationally recognised advanced technology, making the design more user friendly. By fully considering the characteristics of electronic price label and paying attention to the practicality of the system, Shopweb uses the most advanced software and hardware environment and this reflects the advanced nature of the system.
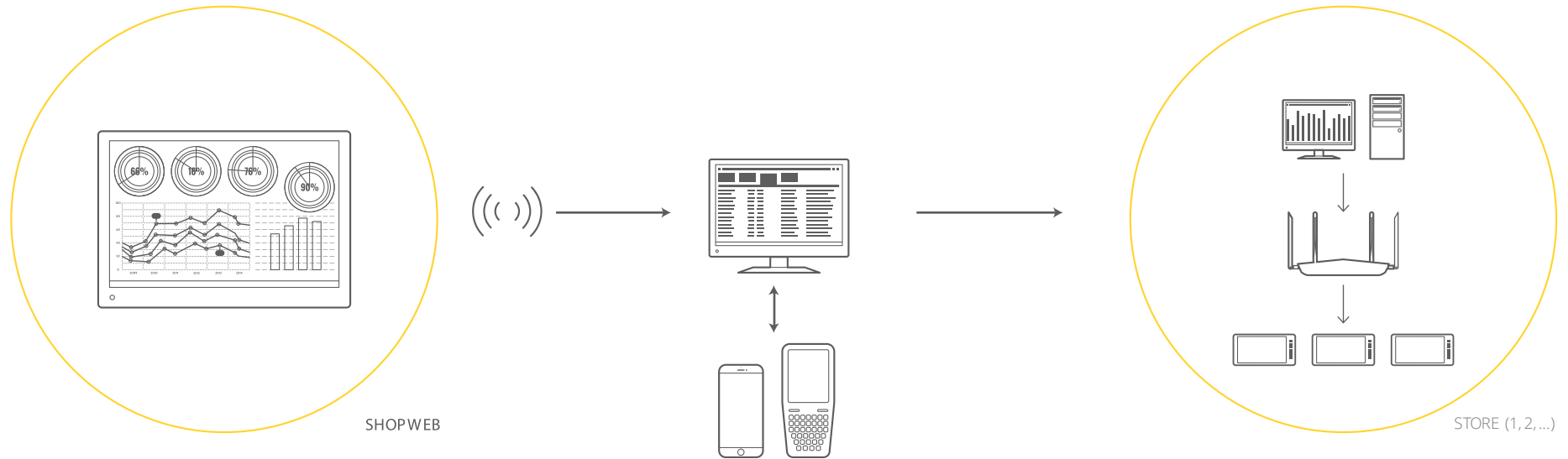
> Extendibility
The system has excellent compatibility. With the continuous development of Internet technology, the system can be easily upgraded.

> Stability
The system is able to handle multiple tasks at the same time. In the event of unexpected circumstances, the system can handle and error notification, and can be recovered in a timely manner to reduce unnecessary losses.

Shopweb Smart Retail System (Shopweb) is the third generation of the ESL smart electronic price management platform. Shopweb caneffectively manage store commodities, prices, inventory and other information in real-time. Additionally, the system can accurately synchronize all information to stores anywhere in the world. Shopweb uses the industry-leading modular design concept to provide a standardized interface. Customers do not need to transform their existing ERP system, only in accordance with Shopweb interface specification, the product data will be delivered to Shopweb and the system integration will be completed.
Moreover, Shopweb will automatically send the correct commodity data to customer's different stores.

Shop Web

SHOP WEB   STORE (1, 2, ...)

1) Store Management
   The system supports functions such as adding, modifying, viewing, enabling and disabling.

2) User Management
   The system supports functions such as viewing, modifying and deleting; it can also assign stores and give permissions to users.

3) Commodity Management
   Users can view, add, modify, delete commodities in the system; also bind or unbind price label according to commodity number.

4) Label Management
   The system supports importing data or deleting data, binding or unbinding labels with commodities, and refreshing label screen.

5) Data Statistics
   The system supports viewing the updated records and historical price changes of commodities, as well as the updated records and historical price changes of price labels.

6) Early-warning Monitor
   The system can monitor A P and docking time, and abnormal data will be sent to designated personnel.

7) Internationalization
   The system can set the default language, the language can be switched through the interface.

ESL Working

ESL - Working is the core the Electronic Shelf Label (ESL) network system. It controls all of the access points (A P) and labels in each store, collects and processes data, and sends information to labels via AP.
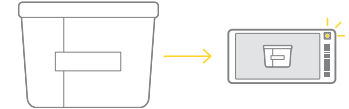
FUNCTION

> Bind
Bind connects labels with products on shelf and enables the labels to display the correct information.

> Unbind
Unbind disconnects labels with products. The labels will display "OFF" or appointed templates after unbinding.

> Netlink
ES L -Working system recognizes the unique ID of each label and communicates with the selected label. Labels are divides in different network groups for effective communication. Additionally, the system is able to relocate the labels in other groups and optimize communication.

> Heartbeat
Labels communicate on 2.4 GHz and broadcast their ID to the AP every three minutes. The AP monitors the frequency and sends labels' data status to the ESL-Working system. Meanwhile, The AP also sends feedback every minute to the ESL Working system. This is what we call the Heartbeat , which ensures the system receives and monitors the status in a timely manner.
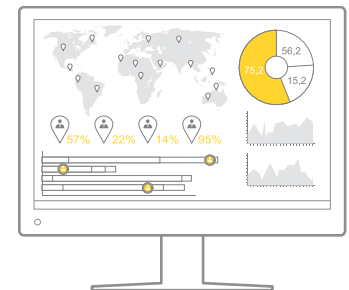
8,5 $

> Roaming
The ESL-Working roaming functions automatically assigns the A P's to the labels. This dynamic function ensures continuous communication between the system and the labels, even when labels are moved around.

> OpenPlatform
The open platform supports the development of new functionalities.

> API Interface
ESL-Working system has a standard AP for users to personalize GUI (Graphical User Interface).

The interface is compatible with functions including label update, binding, unbundling, LED indicator, multiple-pages, state query & summary, configuration modification, template update and label ROM update.