Pick To Light System
---SETP_Label_V14

Pick to Light

E-commerce Warehouse

Intelligent Manufacturing

Intelligent Warehousing

**Dalian Sertag Technology Co.,Ltd**

Innovation Point

- 4.2 inch e-ink screen display

- Wireless communication

- 400x300 dot matrix screen

- Battery powered, long life

- DIY interface supports text/barcode/QR code

- Ultra-low power consumption

Summary of picking system

The electronic label picking system is a logistics auxiliary operation system developed using advanced electronic technology and communication technology. It is usually used in the sorting process of warehousing or modern logistics centers. It has the characteristics of fast picking speed, high efficiency, low error rate and paperless , standardized operating characteristics. As an advanced operating method, the electronic label-assisted picking system is more efficient when used in conjunction with a warehouse management system (WMS) or other logistics management systems.

The electronic label picking system is a set of electronic equipment installed on the shelf storage space. It is controlled by computers and software, and uses indicator lights or digital displays as auxiliary tools to guide pickers to complete their work correctly, quickly and easily.

Characteristics and benefits

SERTAG
SMART TAG LEADER
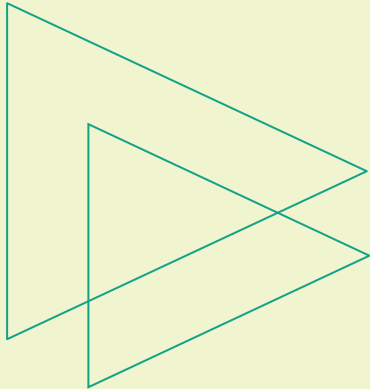
▶ Improve operation speed and quality

▶ Easy and fast deployment

▶ Achieve paperless standardized operations

▶ Reduce operator training time

▶ Reduce labor costs, management costs, etc.

Electronic Pick Tag

Receive and analyze the data information sent by the router, make corresponding instructions, and click the button to complete the picking.

- E-ink screen 4.2 inches (black and white)

- Tag ID code is displayed on the front

- Wireless communication 868M, frequency hopping communication

- Communication rate 200K/50K

- Covering a communication radius of more than 30 meters

- Resolution: 400*300

- Support character, bar code, two-dimensional code display

- Dimensions: 104.5*87.5*12.7mm

- Power supply mode: button battery powered CR2450*4

- Custom two-way communication protocol, safe and reliable

- Screen display area: 84.8(H) * 63.6(V)

- Interface protocol: HTTP & Json

Material: Wireless Routor
MODEL: D+LINK 6582D
QTY: 43
STOCK IN QTY: 16
CHECK IN

Model：SETP_Label_v14

nic Pick Tag

SETP_Label_V14

Model	SETP_Label_V14
Dimension	104.5x87.5x12.7mm
Screen Size	4.2 inch
Display technology	E ink
Active display area (mm)	84.8(H) x 63.6(V)
Resolution	400*300
Pixel Density	120dpi
Display Technology	Full Graphic E ink Display
Pixel Color	Black & White
Case Color	Black
Button	0 Buttons
Indicator Light	0 LED Lights
Refresh Time	2s~3.5s(Related to image complexity)
Working Temperature	0~50℃
Operating Frequency	868MHz
Viewing Angle	Nearly 180°
Displayable content	Text/Picture/Barcode/QRcode
Power	Battery Power
Battery	2400mAh(CR2450*4),Replaceable
Battery Lifetime	>2year (10times per day)
Communication Mode	Wireless
Compliance	CE, RoHS
Wireless Firmware Update	Yes
Template design DIY	Yes
Communication equipment	Controller: SETP_ Router_V1.5/ SETP_ Router_V1.3

System Structure V1.3
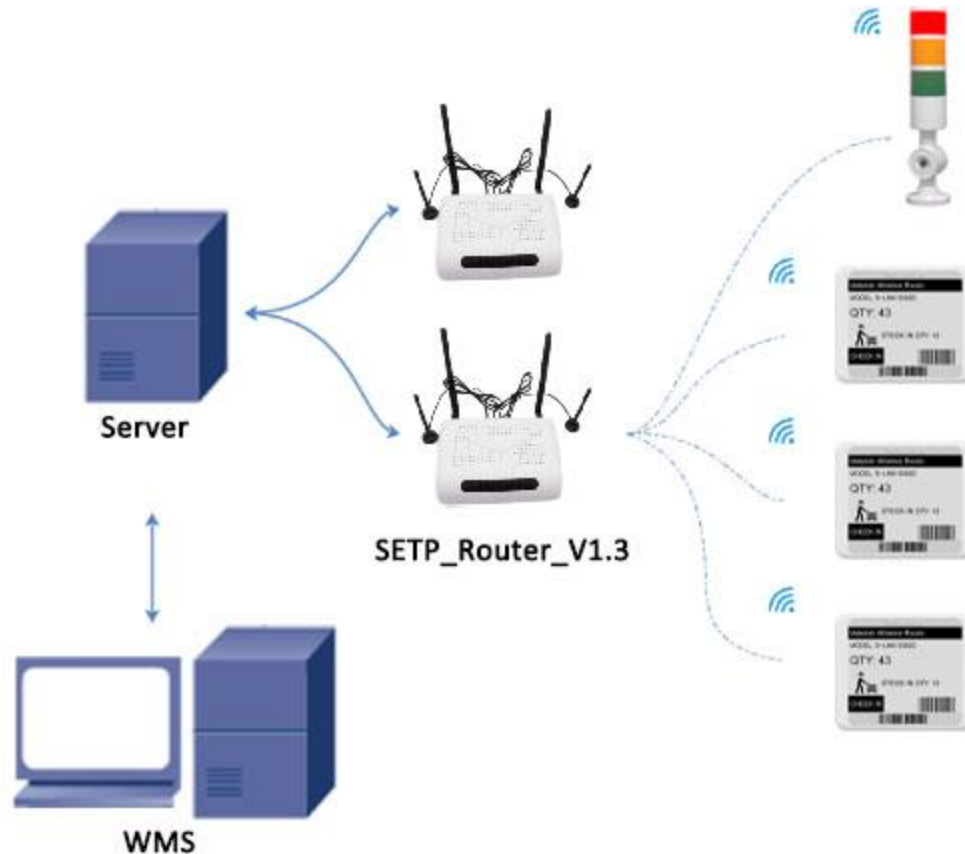
The electronic label picking system sends instructions through a PC or scanner, forwards them through a router, and controls the LED lights or screens on the electronic labels to guide the pickers to accurately and quickly pick the corresponding goods at the designated location.

System Structure V1.5

WMS

SETP_Router_V1.5
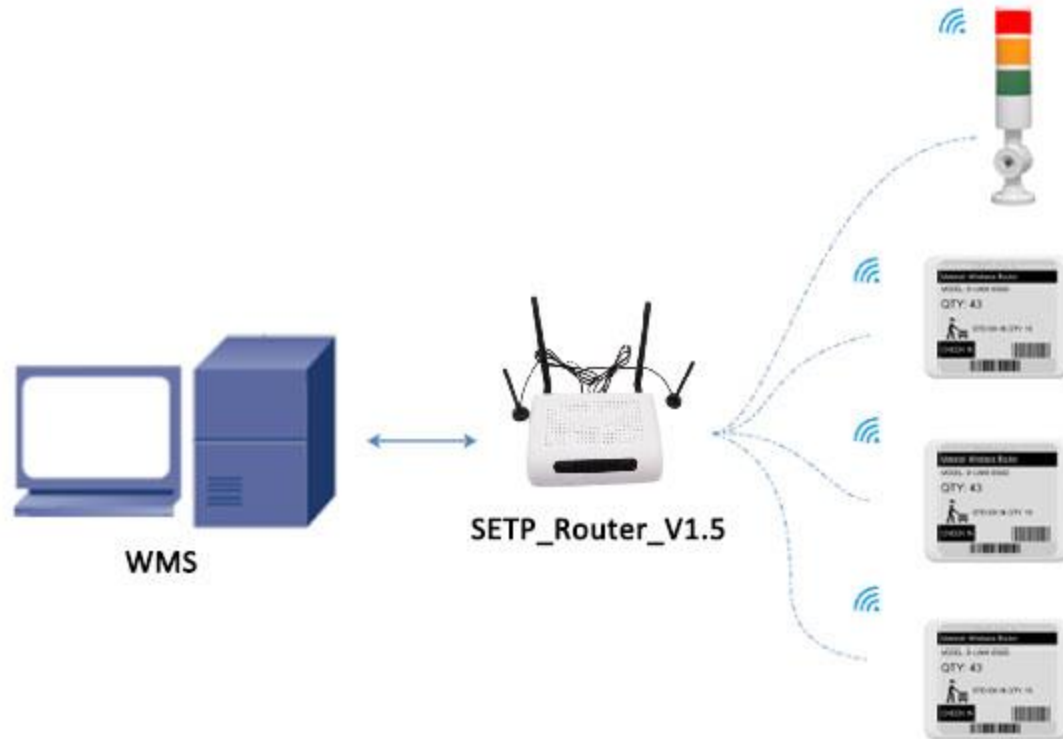
Note: The V1.5 version of the base station has a built-in server program. Users only need to send operating instructions to the base station to realize data transfer, making it easier to use.

Power Supply Type

Button battery powered CR2450*4:

Installation Method

1.Desktop fixation

2.Stick-on

3.Gimbal clamp fixed

4.Magnetic fixation

Physical Display

Front

Reverse side

Router

Receive the operation instructions issued by the PC, analyze them and then send them to the electronic tag through RF.

- Wireless communication distance 30m
- Wireless communication rate 200kbps
- Network communication rate 10/100 Mbps
- Custom two-way data communication protocol to ensure data transmission speed and accuracy
- There is no upper limit for covering electronic labels
- Supports synchronization of multiple routers
- Parallel communication, safe and fast
- Omnidirectional transmission, no dead ends
- Support online software upgrade
- Operating system: linux
- Supports POE power supply or external DC12V power supply

Tag controller

Model: SETP_Router_V1.3
The V1.3 base station has an independent routing function and needs to cooperate with the label server.

Model: SETP_Router_V1.5
The V1.5 version base station comes with its own server program and can directly accept instructions.

Tower Light with Buzzer

Wirelessly receive the data information sent by the router and analyze it, make corresponding instructions and cooperate with the picking lane prompts.

- Used with label picking

- All three lights (red, yellow and green) can be controlled independently

- Wireless communication 868M, frequency hopping communication

- Communication rate 50K

- Covering a communication radius of more than 30 meters

- Multi-color LED highlight indicator light

- 24V external DC power supply, maximum current <0.2A

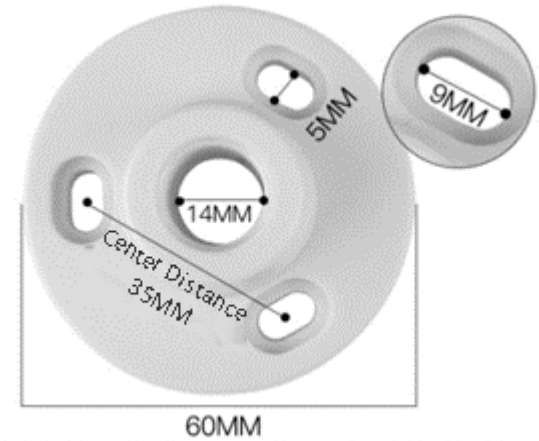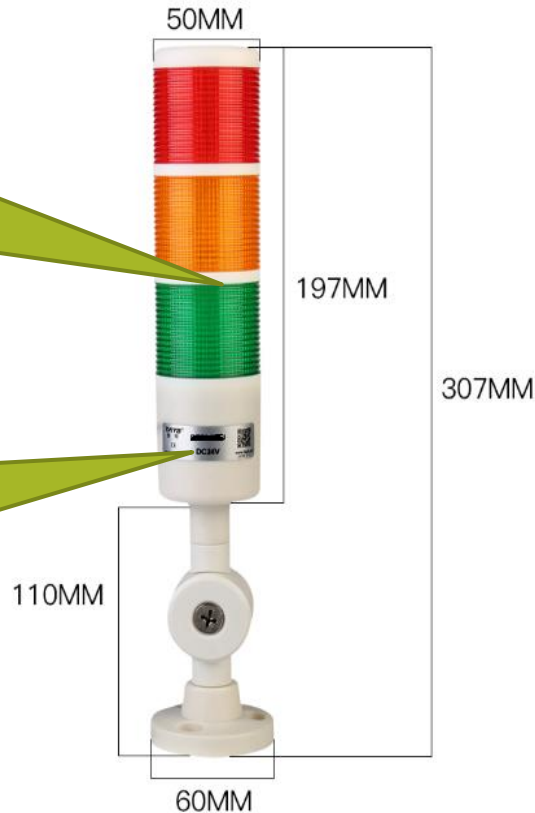- Built-in buzzer, controllable by command

Tower Light with Buzzer
Model: SETP_Label_V9

Tower Light with Buzzer

All three lights can be controlled independently

Magnetic proximity triggers registration

50MM

197MM

307MM

110MM

60MM

5MM

9MM

14MM

Center Distance 35MM

60MM

DC5.5 * 2.1
Power supply DC24V, <0.2A

Manual

Initial: Set the server and label parameters

Step 1: The customer sends the picking information to the label server

Step 2: The server parses the command requirements and wirelessly lights up the tunnel lights and tags

Step 3: Pick items according to the illuminated label and press the confirmation button to turn off the light, and the screen content is updated with the result after the operation.

System Functions

- Supports tag registration usage

- Single light lighting interface

- Light up in batches

- Light up result query

- Button feedback

- Tag inspection

- Tag inspection result query

- Support online software upgrade

- Large coverage radius, unlimited number of nodes

- Intelligent routing and transmission, sufficient communication tolerance

- Rich and complete management background, the status of each device is under control

Multifunctional Operation Interface

Through the background management interface, comprehensive management, control and operation of information are achieved.

- Multi-account management background

- Web-based software, you can remotely control tags by entering the URL

- Real-time viewing of base station and tag status

- Label display style template customization

- Import user product data table

- Quick screen refresh and lighting operations

- Simple docking interface (HTTP & Json)

- System software supports cloud and local private server deployment

Contact information

Dalian Sertag Technology Co., Ltd

Experience the power of a solution that's uniquely yours. Let's collaborate and create a tailor-made pick to light system that transforms the way you work.

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