DHI-ESL-E021A

Electronic Shelf Label (ESL)

- Equipped with Bluetooth communication technology, the ESL has high transmission speed, superior anti-interference capacity, low power consumption and high security.
- Rich interactive interfaces, supporting 256-color LED indicators, Bluetooth-mobile phone direct connection and customizable buttons.
- Featuring wireless Wi-Fi dual-band technology, cable-free installation and deployment, as well as intelligent algorithms, the ESL can provide coverage of up to 25-30 meters in open environments.

Introduction

The electronic shelf label (ESL) uses technologies such as Bluetooth 5.1 for information transfer and extremely fast refresh for real-time information updates. The 256-color LED indicators and multi-color ink screen provide richer information display. Cooperated with ESL AP Station, the ESL achieves the ability to synchronize information between physical stores and online platforms for higher store management efficiency and more efficient cost control.

Features

Automatic Page Turning
The page turning frequency can be set in advance. The corresponding ESL of the product can then automatically and regularly trigger the page turning function to display the pre-set promotional content.

Automatic Inventory Change
With data docking and dynamic fields, the inventory data in the system can be automatically and continuously synchronized with the inventory data on the ESL screen, achieving real-time updates.

Out-of-stock Reminder
Combined with the LED indicators of the ESL, the quantity for out-of-stock reminder is set in advance. And when the stock quantity is lower than the set value, the LED indicators will be triggered for replenishment reminder.

Customized Background Operation
Background system can be compatible with multiple devices and platforms. Visualized backstage operation. Users can freely edit ESL template according to product tonality, which can be instantly used after change.

Scene

Suitable for retail department stores, smart office, pharmacy, medical, warehouse,logistics and more.

Technical Specification

Performance

Model	DHI-ESL-E021A
Screen Type	Dot matrix electronic ink screen
Screen Dimensions	2.13"
Resolution	122 × 250
Screen Display Color	Black, white and red
LED Indicator	Yes
Replaceable Battery	Yes
NFC	Optional

Certifications

Certifications	CE-RED: Radio Equipment Directive 2014/53/EU
RoHS	Conform with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulations as defined in EC No 1907/2006 and subsequent amendments.

Battery

Type	Lithium manganese button battery
Model	CR2450
Dimensions	φ24.5 × 5 mm (φ0.96" × 0.20")
Voltage	3.0 V
Capacity	2 × 600 mah
Weight	2 × 6.4 g (2 × 0.01 lb)
Storage Temperature	5 °C to 40 °C (41 °F to 104 °F)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Lifespan	5 years(Under the condition of ≤ four updates a day.)

General

Bare Machine Dimensions	70 mm × 34.5 mm × 12.1 mm (2.76" × 1.36" × 0.48")

Weight	31.4 g (0.07 lb)
Packaging Dimensions	38 cm × 34.5 cm × 17.5 cm (14.96" × 13.58" × 6.89")
Packaging	Carton, 300 pieces/carton
Gross Weight/ Carton	11.3 kg (24.91 lb)

Environmental Constraints

Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)

Ordering Information

Type	Model	Description
ESL-T Series	DHI-ESL-E021A	Electronic Shelf Label (ESL)