

ESL-E021S1-Nx

Electronic Shelf Label (ESL)



Introduction

The electronic shelf label (ESL) uses technologies such as NFC interaction, for information transfer and extremely fast refresh for real-time information updates. The multi-color LED indicators 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. Equipped with visualized backstage operation, it helps users to 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.

- The ESL has high transmission speed, superior anti-interference capacity, low power consumption and high security.
- Rich interactive interfaces, supporting LED indicators and NFC technology.

Technical Specification

Performance

Model	ESL-E021S1-N	ESL-E021S1-NF
Screen Type	Electronic Ink Screen	
Screen Dimensions	47.8 mm × 23 mm (1.88" × 0.91")	
Resolution	250 × 122	
Screen Display Color	Black, White and Red	Black and White
Communication Mode	2.4 G Wireless Frequency Hopping	
LED Indicator	Yes	
Replaceable Battery	Yes	No
Waterproofness	No	Yes
NFC	Yes	

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	Disposable Lithium Manganese Battery
Model	CR2450 × 2	Henli Max CP502440
Dimensions	φ24.5 × 5 mm (φ0.96" × 0.20")	40 × 24 × 5 mm (1.57" × 0.94" × 0.20")
Voltage	3.0 V	
Capacity	600 × 2 mAh	1200 mAh
Weight	6.4 g × 2 (0.03 lb)	8.5 g (0.02 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.)	3 years (Under the condition of ≤ four updates a day.)

General

Bare Machine Dimensions	70.6 mm × 34.6 mm × 12.4 mm (2.78" × 1.36" × 0.49")
Weight	32.5 g (0.07 lb)
Packaging Dimensions	420 mm × 240 mm × 215 mm (16.54" × 9.45" × 8.46")
Packaging	Carton, 320 pieces/carton
Gross Weight	11 kg (24.25 lb)
Sales Unit	Pcs

Environmental Constraints

Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	−25 °C to 10 °C (−13 °F to 50 °F)
Humidity	45-65%	

Ordering Information

Type	Model	Description
ESL-T Series	ESL-E026S2-N	Electronic Shelf Label
	ESL-E026S2-NF	Electronic Shelf Label