2.9 inch
Electronic Shelf Label

IL029E

iflabel ®

REV	DSCRIPTION	DATE	EDITOR
1.0	**Preliminary Release**	2019/01/18	

Contents

1. General Description

GooDisplay's platform is a complete hardware-software system combining Bluetooth5.0 wireless communication and ESL tags, in-store navigation, ultra-low power displays, merchandising supports and tools and server infrastructure (cloud, distributed or in- store). GooDisplay's platform is open to the third-party technologies and enables interconnection with any situation software or system. It offers the flexibility you need to anticipate and overcome any challenge.

IL029E series ESL tags with high definition displays can be adapted to any sales scenarios. It supports text, promotion, QR code or barcode and can be reused with no paper required. It can be used for different application, such as the retails, warehouses and logistics management etc.

2. Feature

API Interface
Black/white color or Black/white/red/yellow color available
Cloud or local Server based options
Bluetooth 5.0 wireless communication
296x128 pixels full graphic, E-Paper displays
Perfect for the retails, warehouses and logistics management.
Dual battery (removable) shell design.

3. Specification

3.1 2.9 inch Electronic Shelf Label

Item	Specification		
Model	IL029E	IL029E-R	IL029E-Y
Screen Size	2.9 inch (diagonal)		
Dimension External (W x H x D)	93.0x44.0x12.3mm		
Visible screen area (W x H)	66.9 x 29.0mm		
Display Pixels	296 x 128 (37,888)		
Dots per inch (DPI)	112		
Display Type	Black and white Colors Bi-stable EPD(E-ink Display)	Black, white and Red Colors Bi-stable EPD(E-ink Display)	Black, white and Yellow Colors Bi-stable EPD(E-ink Display)
Orientation	Landscape or Portrait		
Viewing angle	Near 180°		
Appearance	Standard unit available with white frame		
Unit identifier barcode	Recognized by Scanner or Labeling on back		
Operational Operating temperature Range	0°C to 50°C +32°F to 122°F		
Storage temperature range	-20°C to 70°C		

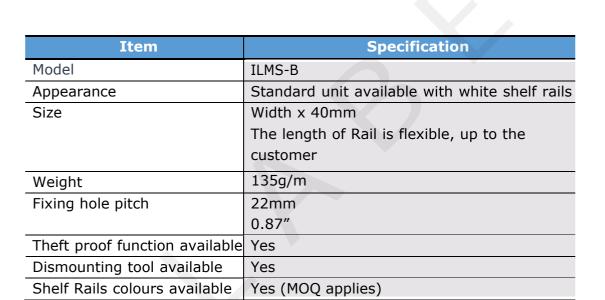|	
	-4°F to 158°F
Fittings	Supported by multiple fitting options – stands, adapters, individual long-length shelf-rails. Additional specialist fittings also available upon request.
Weight	49.5g
Communications	2.4G wireless
Battery	2*CR2450 Battery
Work time	3 ~ 5years(3 times refresh per day)
Options Frameoclors available	Yes (MOQ applies)

3.2 Access Point (AP)

Item	Specification
Model	ILGateway01C
Communication	2.4G BLE5.0/BLE4.0 wireless
Number of ILGateway1C Cover	Each covers 200 ESLs
Covered distance	30m (Radius)
Size	173.0 x 90.0 x 56.9mm
Working Temperature	-10°C ~ + 60°C
Power supply	DC +5.0V or POE
Port to Server	WIFI or Ethernet cable
Installation way	Screw
Waterproof/Dustproof	IP54

3.3 Shelf Rail and Dismounting tool

Item	Specification
Model	ILMS-B
Appearance	Standard unit available with white shelf rails
Size	Width x 40mm The length of Rail is flexible, up to the customer
Weight	135g/m
Fixing hole pitch	22mm 0.87"
Theft proof function available	Yes
Dismounting tool available	Yes
Shelf Rails colours available	Yes (MOQ applies)

4. Product Series

Specification	Front Image	Back Image
Model: IL029E Frame Color: White Pixel Color: Black, White	Coca-Cola SPECIFICATION 550ml retail price: $3.25	
Model: IL029E-R Frame Color: White Pixel Color: Black, White, Red	Limited time sales $13.89 49% off Toy train www.good-display.com	
Model: IL029E-Y Frame Color: White Pixel Color: Black, White, Yellow	Limited time sales $13.89 www.good-display.com	

5. Why GooDipslay's Label?

Advantages	Pictures
API interface • We can provide API interface to the third- party, whom can strengthen management ability by embedding our ESL into their own system, and providing more powerful, flexible and competitive solution to end customers. • Combine ERP with ESL perfectly to make products more competitive.	API
ESL Cloud • ESL Cloud system is a cloud server based complete solution with hardware and auto-updating software. • All ESL tags can be controlled anytime and anywhere with cloud server. • All data can be shared on the cloud.	BLE CLOUD BIG DATA CENTRAL CONTROL CLOUD SERVER

Superior readability • High Contrast: Use E-paper display with black and red/yellow on 'paper-white' background. • Near 180°viewing angle with excellent readability, compare to CH LCD ESL: |	GooDisplay	CH-LCD ESL
Viewing angle	Near 180°	120°
Contrast Ratio	20:1	8:1		
Custom-made Template design • It's easy to edit and create display templates. • You can use any font in your system. It also enable any combination of text and images including QR code, Bar code, logos, pictures, etc. • Negative explicit mode and special symbols are available.	