4.2 inch
Electronic Shelf Label

IL042E

iflabel ®

REV	DSCRIPTION	RELEASE DATE	EDITOR
1.0	Preliminary Release	2019/03/13	

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, chain-store 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.
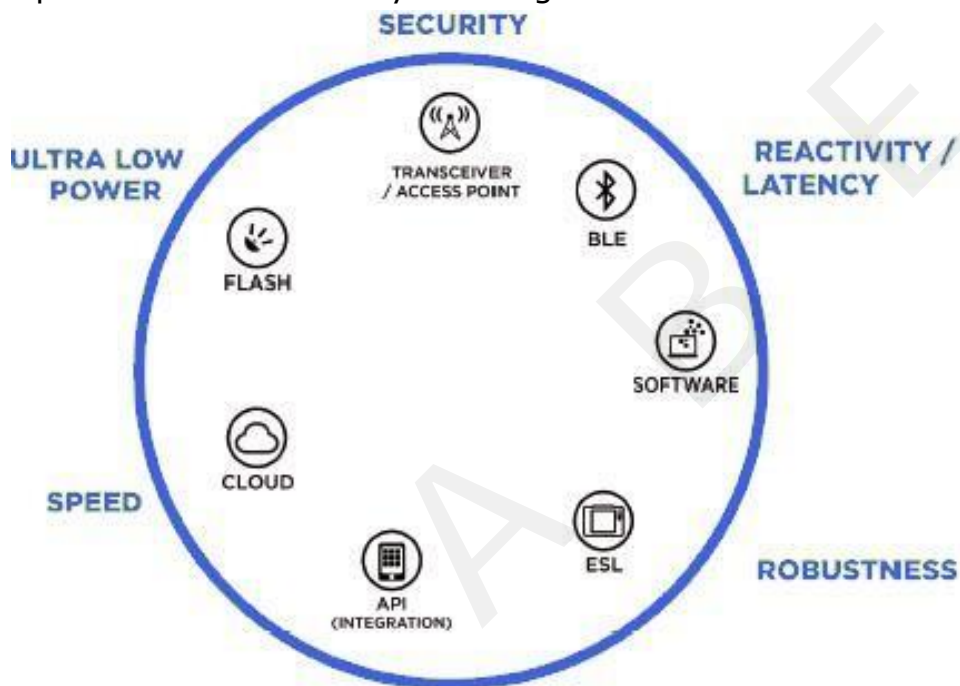
IL042E series ESL tags with large high definition displays can be adapted to any sales scenarios. It supports extra large text, promotion, QR code or barcode and can be reused with no paper required. It can be used for different application, such as the retails, fruits & vegetable, hospital and work position card etc.

2. Feature

API Interface
No light pollution
Black, White, Red, Yellow color available
Li-Ion Batteries
Bluetooth 5.0 wireless communication
400x300 pixels full graphic, E-Paper displays
Cloud or local Server based options

3. Specification

3.1 4.2 inch Electronic Shelf Label

Item	Specification		
Model	IL042E	IL042E-R	IL042E-Y
Screen Size	4.2 inch (diagonal)		
Dimensions External (W x H x D)	103.0x92.0x8.0mm 4.05 x 3.62 x 0.31"		
Visible screen area (W x H)	83.0 x 62.0mm 3.27" x 2.44"		
Display Pixels	400 x 300 (120,000)		
Display Type	Black , White Bistable EPD (E-ink Display)	Black, White and Red Bistable EPD (E-ink Display)	Black, White and Yellow Bistable EPD (E-ink Display)
Orientation	Landscape or Portrait		
Viewing angle	Near 180°		
Appearance	White color		
Unit identifier Mac ID	Labeling on back		
Operational Operating temperature	0°C to 50°C +32°F to 122°F		
Storage temperature	-20°C to 70°C -4°F to 158°F		
Power Supply	Li-Ion Battery 850mAh, 3.0V replaceable		
Work time	2~3 years for one battery		

Weight	50g
Communications	2.4G Bluetooth 5.0 wireless

3.2 Access Point(AP)

Item	Specification
Model	ILGateway01C
Communication	2.4G BLE5.0/BLE4.0 wireless
Number of KGateway1C 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 Desk Stent (Optional)

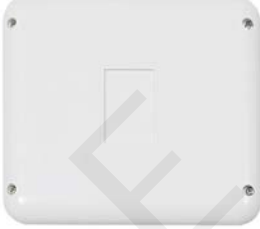| Model	IL100195
Appearance	Standard unit available with white, blue, pink and orange
Size	65.0 x 75.0 x 75.0mm
Weight	45g

3.4 Crystal Stent (Optional)

Model	IL100196
Size	64 x 65×90mm
Weight	59g

3.5 NdFeB Magnet (Optional)
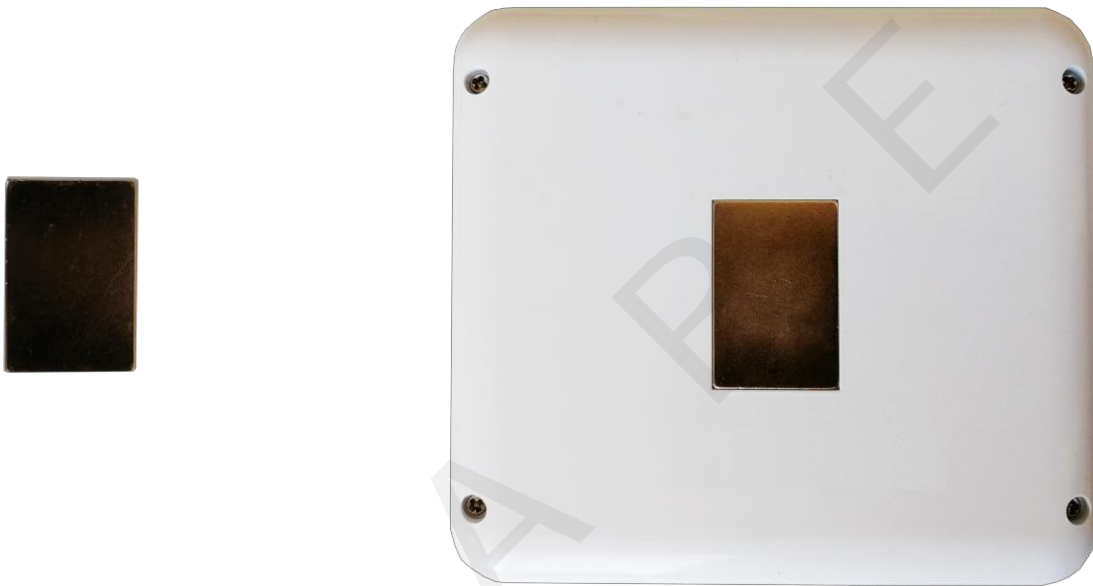
Item	Specification
Model	IL100203
Size	30×20mm
Weight	3g

4. Product Series

Specification	Front Image	Back Image
Model: IL042E Frame Color: White Display: Single Side Pixel Color: Black, White		
Model: IL042E-R Frame Color: White Display: Single Side Pixel Color: Black, White and red		
Model: IL042E-Y Frame Color: White Display: Single Side Pixel Color: Black, White and yellow		

5. Why GooDisplay'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.	
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.	
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:	
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.	

	GooDisplay	CH-LCD ESL
Viewing angle	Near 180°	120°
Contrast Ratio	20:1	8:1