



2.9 inch Electronic Shelf Label

IL029E

Dalian Good Display Co., Ltd.



| REV | DSCRIPTION | DATE | EDITOR |
|------------|----------------------------|-------------------|---------------|
| 1.0 | Preliminary Release | 2019/01/18 | |
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IFL LABEL B E W

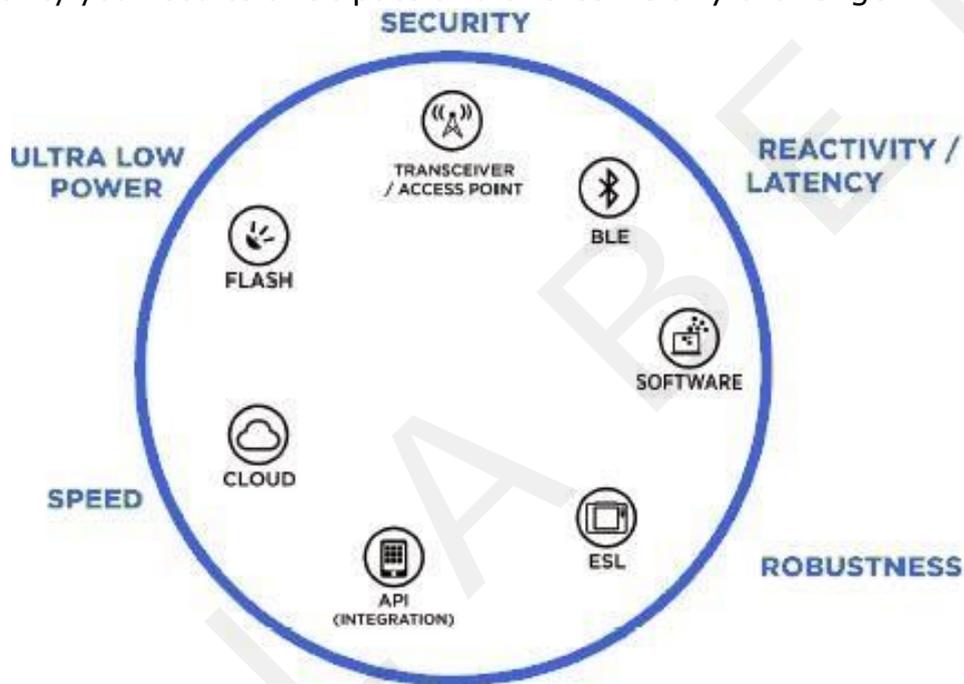
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WATERMATERIAL

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 | 37g |
| Communications | 2.4G wireless |
| Battery | 2*CR2450 Battery |
| Work time | 3 ~ 5years(3 times refresh per day) |
| Options | |
| Frameocolors 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 | | |
| Model: IL029E-R Frame Color: White Pixel Color: Black, White, Red | | |
| Model: IL029E-Y Frame Color: White Pixel Color: Black, White, Yellow | | |

5. Why GoodDisplay's Label?

| Advantages | Pictures |
|---|----------|
| API interface <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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:

| | GoDisplay | 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.

