



To be a responsible and sustainable century-old enterprise

# PRODUCT MANUAL

DALIAN GOOD DISPLAY CO., LTD.

DALIAN GOOD DISPLAY CO., LTD.

+86-411-8461 9565

Inquiry: [info@good-display.com](mailto:info@good-display.com)

Service: [service@good-display.com](mailto:service@good-display.com)



**GOOD DISPLAY**



# CORE INDUSTRY

>> CORE COMPETITIVENESS

At Good Display, we believe display is the soul of product, and nothing is more important than getting a wonderful experience by perfect display. That's why we have "**GooDisplay**" as our brand. Do our best; Offer you the best. Let us work with you to bring your new display idea.

Good Display pay attention to the customer's benefit, both quality and price are important to you, so we prefer to lower our profit, but we ensure good quality. We know that only making your products' price more competitive in the market, we can achieve a win-win situation and go further with you.

Good Display provides not only standard displays, but also customized e-paper display, LCD and OLED displays for special applications. We have a well-trained R&D team to offer you a variety of solutions. Our design capability will transform your initial idea into a final product in a short time.



Our sales staff and engineering can respond to your requirement quickly with love and professionalism, and we will help you find and develop a solution perfect for your application.

We think product quality is enterprise vitality, and we are always acclaimed by our customers and peers for the high quality products. We obtained management system certificate that fulfills requirements included in the ISO9001 and ISO14001 standard in 2011.



# STANDARD PRODUCT

0.97 inch **GDEW0097C50 GDEM0097Z61 GDEM0097T61**



|                  |                 |
|------------------|-----------------|
| RESOLUTION       | 184x88          |
| OUTLINE SIZE(mm) | 14.3x30.15x0.98 |
| ACTIVE SIZE(mm)  | 10.648x22.264   |

1.02 inch **GDEW0102I4FC**



|                  |                |
|------------------|----------------|
| RESOLUTION       | 128x80         |
| OUTLINE SIZE(mm) | 32.57x18.6x0.3 |
| ACTIVE SIZE(mm)  | 21.76x14       |

1.54 inch **GDEY0154D67 GDEY0154Z90**



|                  |                 |
|------------------|-----------------|
| RESOLUTION       | 200x200/152x152 |
| OUTLINE SIZE(mm) | 31.8x37.32x1    |
| ACTIVE SIZE(mm)  | 27x27           |

2.13 inch **GDEY0213B74 GDEY0213Z98**



|                  |                 |
|------------------|-----------------|
| RESOLUTION       | 250x122/212x104 |
| OUTLINE SIZE(mm) | 29.2x59.2x1.0   |
| ACTIVE SIZE(mm)  | 23.7046x48.55   |

The dot matrix electronic paper display encompasses components such as TFT (Thin-Film Transistor), electronic ink film, protective film, electronic components for driving, and connectors. The backplane of this display is equipped with thousands of transistors, enabling it to display any image. Additionally, it possesses characteristics of bistability, ultra-low power consumption, no backlight, and eye-friendly electronic paper.

1.22 inch **GDEM0122T61**



|                  |               |
|------------------|---------------|
| RESOLUTION       | 176x192       |
| OUTLINE SIZE(mm) | 27.6x30.6x1.0 |
| ACTIVE SIZE(mm)  | 21.00x22.91   |

2.66 inch **GDEY0266Z90 GDEY0266T90 GDEY0266T90H**



|                  |                 |
|------------------|-----------------|
| RESOLUTION       | 296x152/360x184 |
| OUTLINE SIZE(mm) | 71.82x36.3x1.0  |
| ACTIVE SIZE(mm)  | 60.088x30.704   |

2.7 inch **GDEY027T91 GDEM027Q72**



|                  |                |
|------------------|----------------|
| RESOLUTION       | 264x176        |
| OUTLINE SIZE(mm) | 45.8x70.42x1.0 |
| ACTIVE SIZE(mm)  | 38.19x57.29    |

2.9 inch **GDEY029T94 GDEY029Z94 GDEY029T94H**



|                  |                 |
|------------------|-----------------|
| RESOLUTION       | 348x168/269x128 |
| OUTLINE SIZE(mm) | 79.0x36.7x1.20  |
| ACTIVE SIZE(mm)  | 66.896x29.056   |

3.1 inch **GDEQ031T10**



|                  |                  |
|------------------|------------------|
| RESOLUTION       | 320x240          |
| OUTLINE SIZE(mm) | 73.8x53.24x0.926 |
| ACTIVE SIZE(mm)  | 62.72x47.04      |

3.7 inch **GDEY037T03 GDEY037Z03**



|                  |              |
|------------------|--------------|
| RESOLUTION       | 416x240      |
| OUTLINE SIZE(mm) | 53x92.99x1.0 |
| ACTIVE SIZE(mm)  | 81.54x47.04  |



4.2 inch

**GDEY042T81**  
**GDEQ042Z21**



|                  |           |
|------------------|-----------|
| RESOLUTION       | 400x300   |
| OUTLINE SIZE(mm) | 91x77x1.2 |
| ACTIVE SIZE(mm)  | 84.8x63.6 |

4.26 inch

**GDEQ0426T82**



|                  |                    |
|------------------|--------------------|
| RESOLUTION       | 800x480            |
| OUTLINE SIZE(mm) | 105.33x62.37x0.926 |
| ACTIVE SIZE(mm)  | 92.8x55.68         |

4.3 inch

**GDE043A3**



|                  |               |
|------------------|---------------|
| RESOLUTION       | 800x600       |
| OUTLINE SIZE(mm) | 104x74.6x1.34 |
| ACTIVE SIZE(mm)  | 88x66         |

5.79 inch

**GDEY0579T93**  
**GDEY0579Z93**



|                  |                  |
|------------------|------------------|
| RESOLUTION       | 272x792          |
| OUTLINE SIZE(mm) | 150.92x56.94x1.0 |
| ACTIVE SIZE(mm)  | 139.00x47.74     |

5.83 inch

**GDEQ0583T31**  
**GDEY0583Z31**



|                  |                  |
|------------------|------------------|
| RESOLUTION       | 648x480          |
| OUTLINE SIZE(mm) | 125.40x99.5x1.20 |
| ACTIVE SIZE(mm)  | 118.78x88.22     |

7.5 inch

**GDEY075T7**  
**GDEY075Z08**



|                  |                  |
|------------------|------------------|
| RESOLUTION       | 800x480          |
| OUTLINE SIZE(mm) | 170.2x111.2x1.25 |
| ACTIVE SIZE(mm)  | 163.2x97.92      |

9.7 inch

**GDEP097TC2**



|                  |                    |
|------------------|--------------------|
| RESOLUTION       | 1200x825           |
| OUTLINE SIZE(mm) | 218.8x156.425x1.15 |
| ACTIVE SIZE(mm)  | 202.8x139.425      |

10.2 inch

**GDEM102T91**  
**GDEM102Z91**



|                  |                |
|------------------|----------------|
| RESOLUTION       | 960x640        |
| OUTLINE SIZE(mm) | 224x157x1.0    |
| ACTIVE SIZE(mm)  | 215.52 x143.68 |



10.85 inch **GDEM1085T51**



|                  |                     |
|------------------|---------------------|
| RESOLUTION       | 1360x480            |
| OUTLINE SIZE(mm) | 270.56×105.92 ×1.20 |
| ACTIVE SIZE(mm)  | 259.76×91.68        |

11.6 inch **GDEH116T91**  
**GDEY116Z91**



|                  |                    |
|------------------|--------------------|
| RESOLUTION       | 960x640            |
| OUTLINE SIZE(mm) | 254.31x176.35x0.85 |
| ACTIVE SIZE(mm)  | 244.512x163.008    |

12.48 inch **GDEY1248Z51**



|                  |                |
|------------------|----------------|
| RESOLUTION       | 1304x984       |
| OUTLINE SIZE(mm) | 261.4x211x1.20 |
| ACTIVE SIZE(mm)  | 252.98x190.90  |

13.3 inch **GDEM133T91**  
**GDEM133Z91**



|                  |                    |
|------------------|--------------------|
| RESOLUTION       | 960x680/1600x1200  |
| OUTLINE SIZE(mm) | 286.32x212.26x1.20 |
| ACTIVE SIZE(mm)  | 275.52x195.56      |

28 inch **GDEP280T01**



|                  |                   |
|------------------|-------------------|
| RESOLUTION       | 3840×1080         |
| OUTLINE SIZE(mm) | 698.6x209.3x0.953 |
| ACTIVE SIZE(mm)  | 683.52×190.24     |

31.2 inch **GDEP312TT3**



|                  |                   |
|------------------|-------------------|
| RESOLUTION       | 2560x1440         |
| OUTLINE SIZE(mm) | 697.2x402.8x0.805 |
| ACTIVE SIZE(mm)  | 691.2x388.8       |

42 inch **GDEP420T01**



|                  |                 |
|------------------|-----------------|
| RESOLUTION       | 2160x2880       |
| OUTLINE SIZE(mm) | 650x872.5x0.805 |
| ACTIVE SIZE(mm)  | 642.6x856.8     |







## FOUR COLOR SERIES

Four-color electronic paper display utilizes black, white, red, and yellow ink particles, employing high-contrast and highly saturated color combinations to display vivid and attention-grabbing images and information. It is suitable for information boards and signage in public places and transportation facilities, serving as digital advertising signage to promote product information and attract the attention of consumers in department stores, retail shops, supermarkets, and similar locations.

| PART NUMBER                  | SIZE(inch) | RESOLUTION | OUTLINE SIZE(mm)    | ACTIVE SIZE(mm) |
|------------------------------|------------|------------|---------------------|-----------------|
| <a href="#">GDEM0097F51</a>  | 0.97       | 184x88     | 30.0x14.15x1.0      | 22.26x10.65     |
| <a href="#">GDEY0154F51</a>  | 1.54       | 152x152    | 37.32x31.8x1.0      | 27.512x27.512   |
| <a href="#">GDEM0154F51H</a> | 1.54       | 200x200    | 37.32x31.8x1.0      | 27.512x27.512   |
| <a href="#">GDEY0213F51</a>  | 2.13       | 250x122    | 59.2x29.2x1.0       | 48.55x23.7046   |
| <a href="#">GDEY0266F51</a>  | 2.66       | 296x152    | 71.82x36.3x1.0      | 60.088x30.704   |
| <a href="#">GDEY0266F51H</a> | 2.66       | 360x184    | 72.59x37.11x1.0     | 60.05x30.69     |
| <a href="#">GDEY029F51</a>   | 2.9        | 296x128    | 79x36.7x1.2         | 66.896x29.056   |
| <a href="#">GDEY029F51H</a>  | 2.9        | 384x168    | 79.98x35.57x1.0     | 67.58x29.57     |
| <a href="#">GDEM035F51</a>   | 3.5        | 384x184    | 91.75x45.03x1.0     | 79.68x38.18     |
| <a href="#">GDEY0352F51</a>  | 3.52       | 384x180    | 93.42x43.98x1.0     | 81.02x37.98     |
| <a href="#">GDEM037F51</a>   | 3.7        | 416x240    | 92.99x53.00x1.0     | 81.54x47.04     |
| <a href="#">GDEM042F52</a>   | 4.2        | 400x300    | 91x77x1.2           | 84.8x63.6       |
| <a href="#">GDEM075F52</a>   | 7.5        | 800x480    | 170.2x111.2x1.2     | 163.2x97.92     |
| <a href="#">GDEM102F91</a>   | 10.2       | 960x640    | 224x157x1.0         | 215.52x143.68   |
| <a href="#">GDEM1085F51</a>  | 10.85      | 1360x480   | 270.56x105.92 x1.20 | 259.76x91.68    |
| <a href="#">GDEY116F51</a>   | 11.6       | 960x640    | 254.31x176.35x1.0   | 244.51x163.01   |

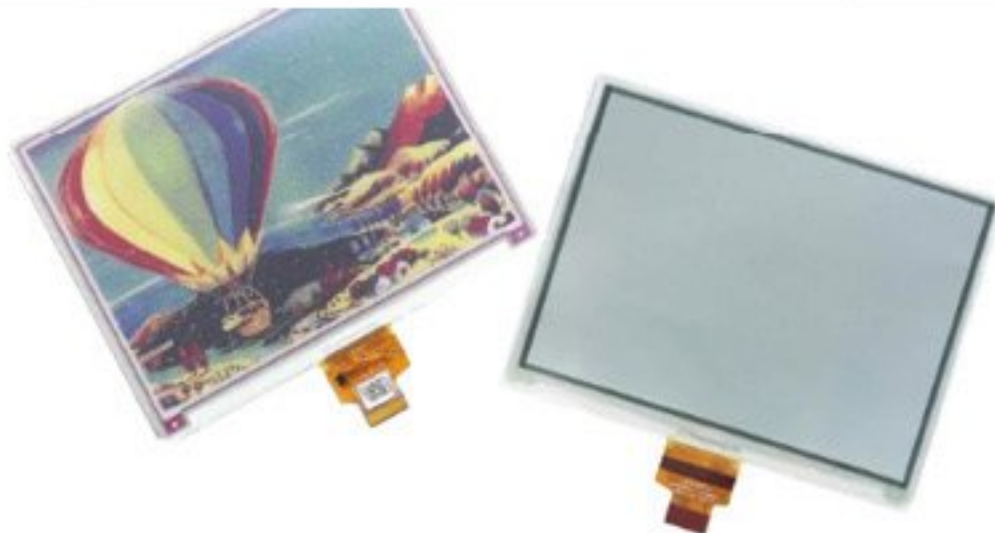


## COLOR SERIES PRODUCT LIST

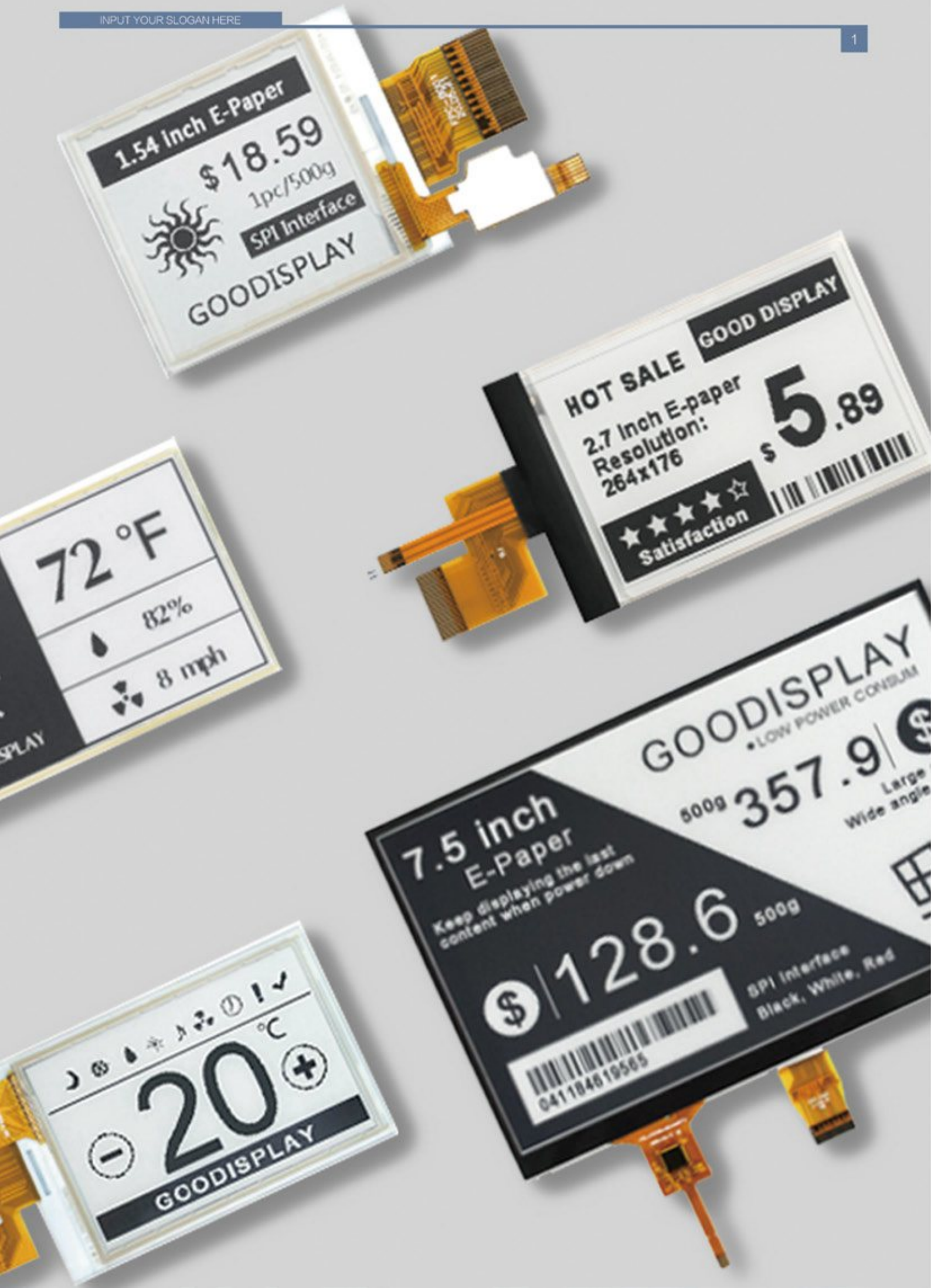
Color E-Paper Display (ACeP) is a high-quality, full-reflective color electronic paper display screen. It achieves a full-color gamut display effect by utilizing colored particles.

Color E-paper is based on ACeP technology and is designed for frequent use of seven common colors: black, white, red, yellow, blue, green, and orange. It is highly suitable for applications in low-power electronics, retail promotions, portable advertising boards, indoor billboards, and other fields.

| SIZE(inch) | RESOLUTION  | OUTLINE SIZE(mm)   | ACTIVE SIZE(mm) |
|------------|-------------|--------------------|-----------------|
| 4.0        | 600 x 400   | 99 x 66 x 0.85     | 84.6 x 56.4     |
| 7.3        | 800 x 480   | 170.2x111.2x0.91   | 160 x 96        |
| 13.3       | 1600 x 1200 | 208.8x284.7x0.85   | 202.8 x 270.4   |
| 25.3       | 3200 x 1800 | 576.5x333.0x0.85   | 560.0 x 315.0   |
| 31.5       | 2560 x 1440 | 703.52x406.48x0.85 | 696.32 x 391.68 |







## FRONR LIGHT & TOUCH SERIES

### FRONR LIGHT

| PART NUMBER | SIZE(inch) | RESOLUTION | OPERATING VOLTAG | OPEROPERATING CRENT |
|-------------|------------|------------|------------------|---------------------|
| FL0154-S01  | 1.54       | 200x200    | 2.8V-3V          | ≤20mA               |
| FL0213-S01  | 2.13       | 250x122    | ≤9V              | ≤15mA               |
| FL027-S01   | 2.7        | 264x167    | ≤12V             | ≤15mA               |
| FL029-S03   | 2.9        | 296x128    | 2.8~3.3V         | ≤15mA               |
| FL042-S02   | 4.2        | 400x300    | ≤21V             | 8-10mA              |

### TOUCH SCREEN

| PAPART NUMBER   | SIZE(inch) | RESOLUTION | OUTLINE SIZE(mm)  | TOUCH IC |
|-----------------|------------|------------|-------------------|----------|
| GDEY0154D67-T03 | 1.54       | 200x200    | 33.5x31           | FT6336U  |
| GDEY027T91-T01  | 2.7        | 264x167    | 65.5x44.5         | FT6336G  |
| GDEY029T94-T01  | 2.9        | 296x128    | 75.4x35.5x0.125   | FT6336U  |
| GDEY037T03-T02  | 3.71       | 416x240    | 89x52.2x0.3       | FT6336U  |
| GDEY042T81-T02  | 4.2        | 400x300    | 89.7x70.65x0.3    | FT6336   |
| GDEY075T7-T01   | 7.5        | 800x480    | 109.21x170.2x0.63 | GT911    |



# FLEXIBLE & PARALLEL PRODUCT LIST

## FLEXIBLE SCREEN

| PART NUMBER                  | SIZE(inch) | RESOLUTION | OUTLINE SIZE(mm) | ACTIVE SIZE(mm) |
|------------------------------|------------|------------|------------------|-----------------|
| <a href="#">GDEW0102I4FC</a> | 1.02       | 128x80     | 32.57x18.6x0.3   | 21.76x14        |
| <a href="#">GDEW0154I9FC</a> | 1.54       | 152x152    | 31.8x37.32x0.3   | 27.51x27.51     |
| <a href="#">GDEW0213I5FD</a> | 2.13       | 212x104    | 59.2x29.2x0.3    | 48.55x23.71     |
| <a href="#">GDEW029I6FD</a>  | 2.9        | 296x128    | 79x36.7x0.34     | 66.9x29.06      |

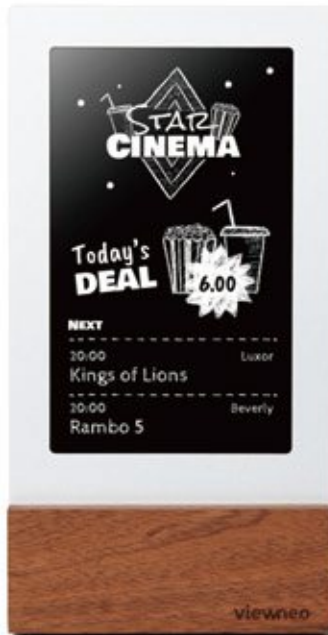
## PARALLEL SCREEN

| PART NUMBER                | SIZE(inch) | RESOLUTION | OUTLINE SIZE(mm)   | ACTIVE SIZE(mm) |
|----------------------------|------------|------------|--------------------|-----------------|
| <a href="#">GDEP097TC2</a> | 9.7        | 1200x825   | 218.8×156.42×1.15  | 202.8×139.425   |
| <a href="#">GDEP133UT3</a> | 13.3       | 1600x1200  | 285.80x213.65x0.78 | 270.4x202.8     |
| <a href="#">GDEP280T01</a> | 28         | 3840×1080  | 698.6x209.3x0.953  | 683.52×190.24   |
| <a href="#">GDEP312TT3</a> | 31.2       | 2560x1440  | 697.2x402.8x0.805  | 691.2x388.8     |
| <a href="#">GDEP420T01</a> | 42         | 2160x2880  | 650x872.5x0.805    | 642.6x856.8     |





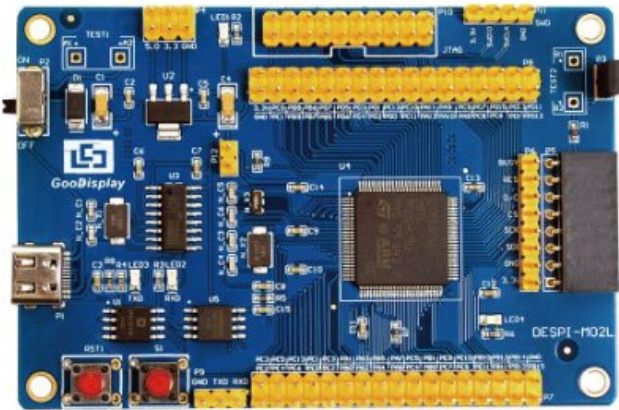
# Application





Development Kits

STM32 Development Kits



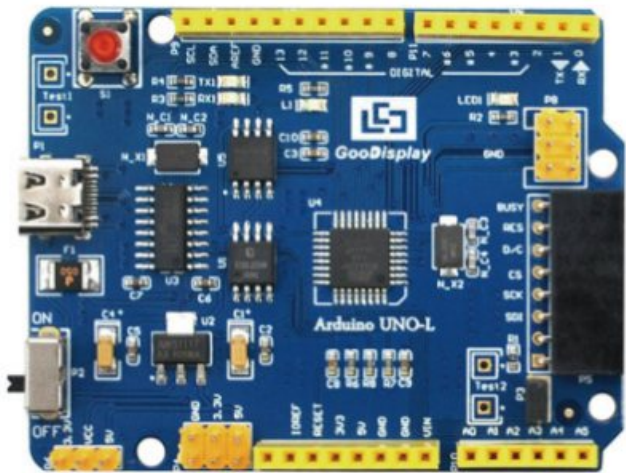
|                     |                                               |
|---------------------|-----------------------------------------------|
| PLATFORM            | STM32                                         |
| OUTLINE SIZE(mm)    | 90x60mm (DESPI-M02L) / 41x22mm (DESPI-C02)    |
| SUITABLE SIZE(inch) | 0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5 |
| FUNCTION            | Drive E-paper Display                         |

ESP32 Development Kit



|                     |                                               |
|---------------------|-----------------------------------------------|
| PLATFORM            | Arduino                                       |
| OUTLINE SIZE(mm)    | 70mm x 54mm (ESP32-L)                         |
| SUITABLE SIZE(inch) | 0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5 |
| FUNCTION            | Drive E-paper Display                         |

Arduino UNO Development Kits



|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| PLATFORM            | Arduino                                                      |
| OUTLINE SIZE(mm)    | 70mm*54mm (DEArduino-L UNO for EPD)                          |
| SUITABLE SIZE(inch) | 0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5/10.2/11.6/13.3 |
| FUNCTION            | Drive E-paper Display                                        |

ESP8266 Development Kits



|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| PLATFORM            | Arduino                                                      |
| OUTLINE SIZE(mm)    | 70mm x 54mm( ESP8266-L)                                      |
| SUITABLE SIZE(inch) | 0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5/10.2/11.6/13.3 |
| FUNCTION            | Drive E-paper Display                                        |



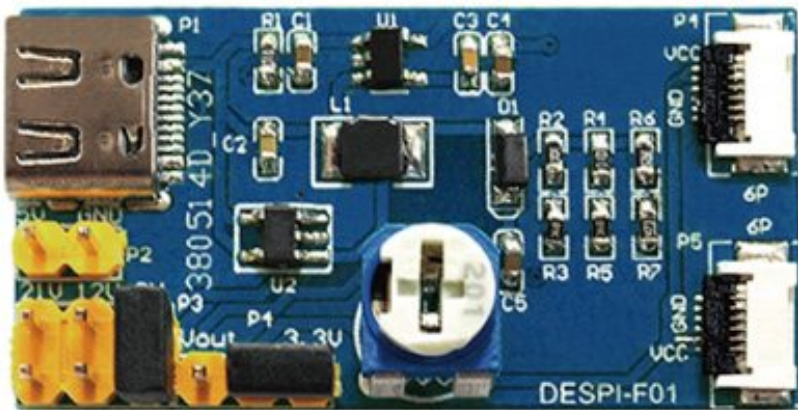
Raspberry Pi Development Kit



|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| SUITABLE SIZE(inch) | 0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5/10.2/11.6/12.48 |
| FUNCTION            | Drive E-paper Display                                         |

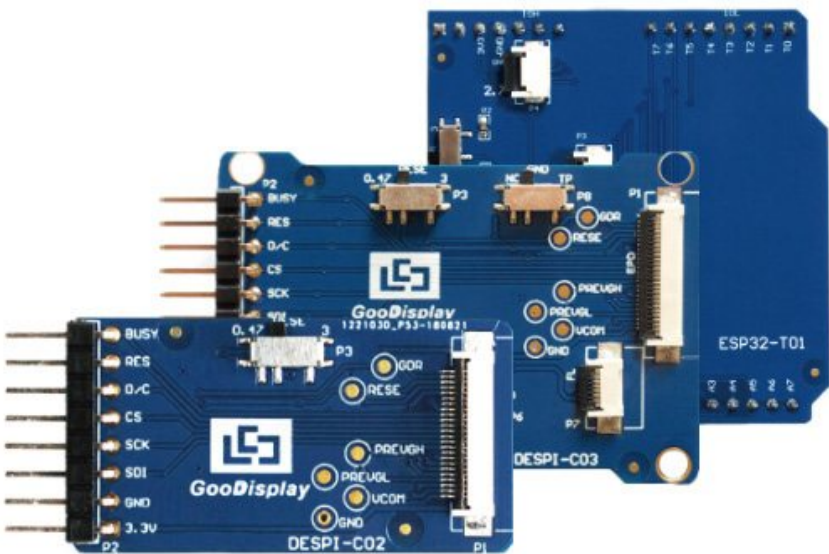
Note: The Raspberry Pi motherboard, related accessories and tools need to be purchased by the user. Our company only provide the adapter accessories required for driving e-paper.

Frontlight Drive Board DESPI-F01



|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| OUTLINE SIZE(mm) | 20 x 39                                                              |
| OPERATING TEMP.  | -20°C ~ 70°C                                                         |
| FUNCTION         | Convenient for users to test the frontlight of the electronic paper. |

E-Paper HAT adapter board



| PART NUMBER | OUTLINE SIZE(mm) | POWER SUPPLY(V) | OPERATING TEMP.(°C) | FUNCTION                                                           |
|-------------|------------------|-----------------|---------------------|--------------------------------------------------------------------|
| DESPI-C02   | 41x22            | 3.3             | -20~70              | Drive Parallel E-paper Display                                     |
| DESPI-C03   | 52x36            | 3.3             | -20~70              | Drive Parallel E-paper Display,touch screen and front light screen |
| DESPI-C102  | 33.8x22.2        | 3.3             | -20~70              | Drive 1.02'' E-paper Display                                       |
| DESPI-C579  | 41x22            | 3.3             | -20~70              | Drive 5.79'' E-paper Display                                       |
| DESPI-C1248 | 150.2x26         | 3.3             | -20~70              | Drive 12.48'' E-paper Display                                      |
| ESP32-T01   | 53x51            | 3.3             | -20~70              | Drive Parallel E-paper Display,touch screen                        |
| STM32-T01   | 53x51            | 3.3             | -20~70              | Drive Parallel E-paper Display,touch screen                        |

To view more information, please visit the official website:  
<https://www.good-display.com>

Contact Us:  
[market@good-display.com](mailto:market@good-display.com)  
**+86-411-84619565**