



To be a responsible and sustainable century-old enterprise

# PRODUCT MANUAL

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**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**



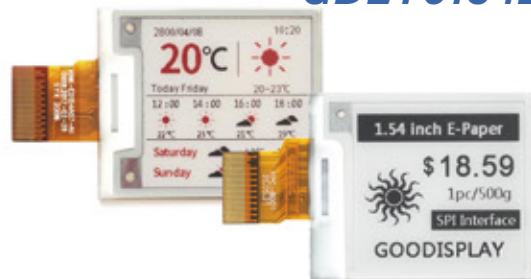
RESOLUTION	184x88
OUTLINE SIZE(mm)	14.3x30.15x0.98
ACTIVE SIZE(mm)	10.648x22.264

1.02 inch **GDEW0102I4FC**



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

1.54 inch **GDEY0154D67 GDEY0154Z90**



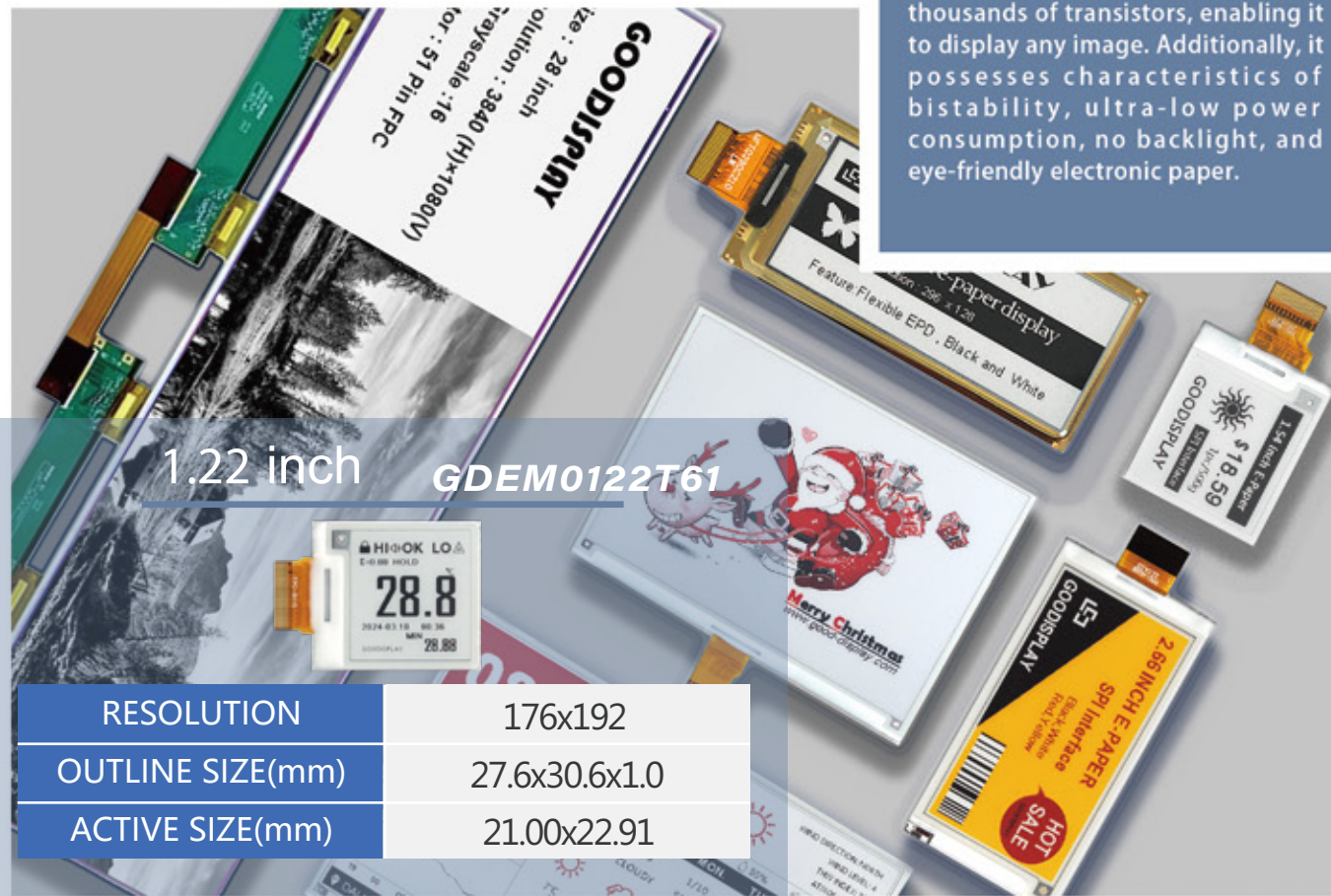
RESOLUTION	200x200/152x152
OUTLINE SIZE(mm)	31.8x37.32x1
ACTIVE SIZE(mm)	27x27

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

5.83 inch  
***GDEQ0583T31***  
***GDEY0583Z31***



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

4.26 inch  
***GDEQ0426T82***



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

7.5 inch  
***GDEY075T7***  
***GDEY075Z08***



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

4.3 inch  
***GDE043A3***



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

9.7 inch  
***GDEP097TC2***



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

5.79 inch  
***GDEY0579T93***  
***GDEY0579Z93***



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

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

28 inch **GDEP280T01**



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

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



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

31.2 inch **GDEP312TT3**



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

12.48 inch **GDEY1248Z51**



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

42 inch **GDEP420T01**



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

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



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







## 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

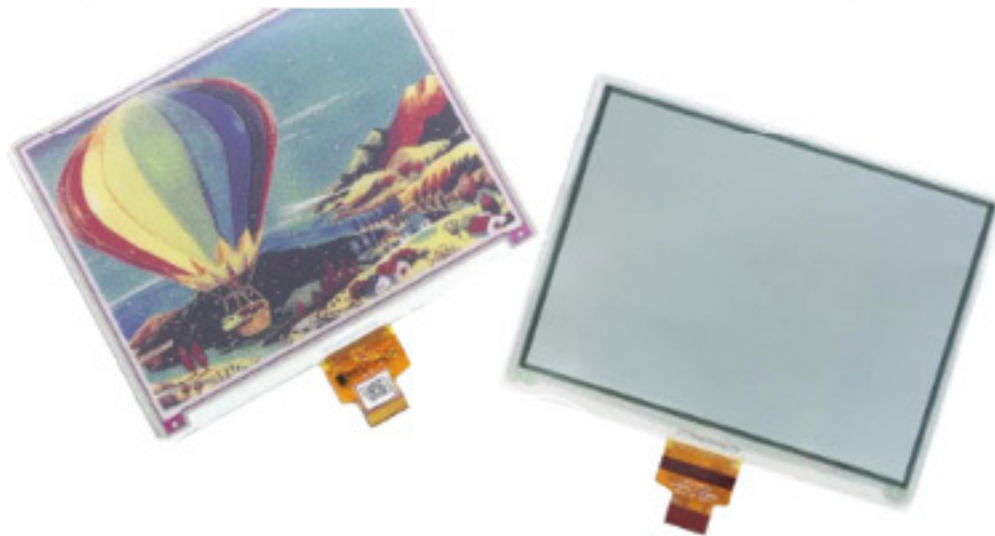


## COLOR SERIES PRODUCT LIST

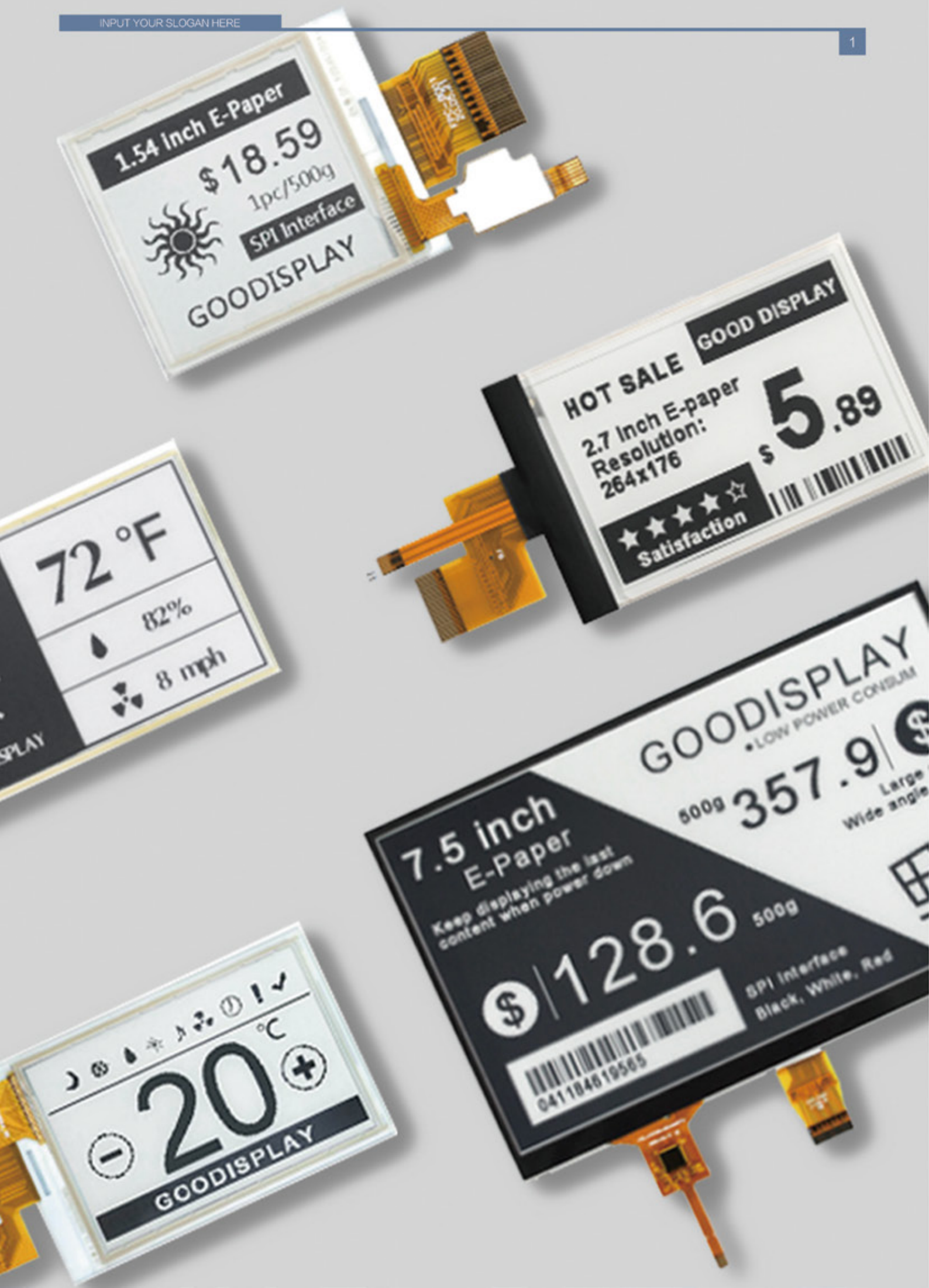
Color E-Paper Display (ACeP) is a high-quality, full-reflective color electronic paper display screen. It achieves a full-color gamut display effect by utilizing colored particles.

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)
GDEW0102I4FC	1.02	128x80	32.57x18.6x0.3	21.76x14
GDEW0154I9FC	1.54	152x152	31.8x37.32x0.3	27.51x27.51
GDEW0213I5FD	2.13	212x104	59.2x29.2x0.3	48.55x23.71
GDEW029I6FD	2.9	296x128	79x36.7x0.34	66.9x29.06

### PARALLEL SCREEN

PART NUMBER	SIZE(inch)	RESOLUTION	OUTLINE SIZE(mm)	ACTIVE SIZE(mm)
GDEP097TC2	9.7	1200x825	218.8x156.42x1.15	202.8x139.425
GDEP133UT3	13.3	1600x1200	285.80x213.65x0.78	270.4x202.8
GDEP280T01	28	3840x1080	698.6x209.3x0.953	683.52x190.24
GDEP312TT3	31.2	2560x1440	697.2x402.8x0.805	691.2x388.8
GDEP420T01	42	2160x2880	650x872.5x0.805	642.6x856.8





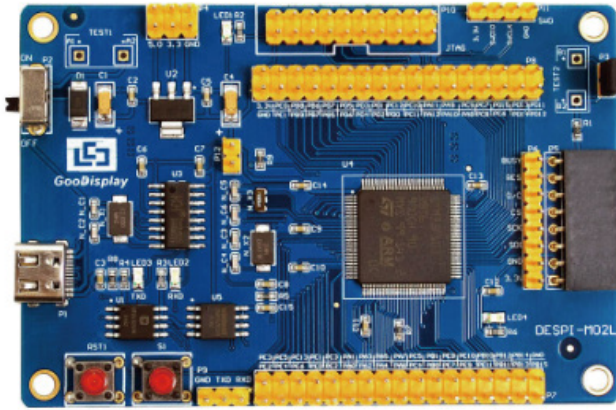
# Application





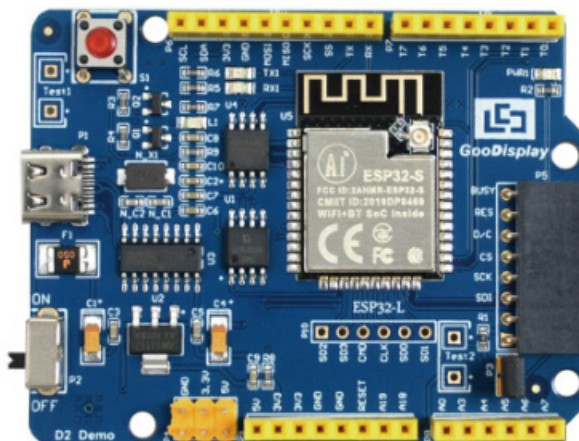
# Development Kits

## STM32 Development Kits



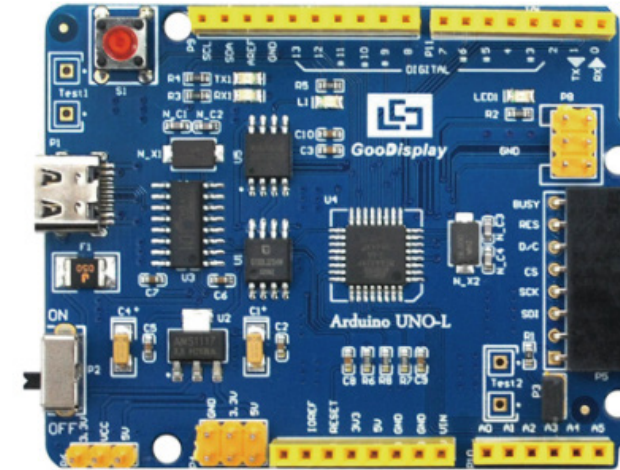
PLATFORM	STM32
OUTLINE SIZE(mm)	90x60mm (DESPI-M02L) / 41x22mm (DESPI-C02)
SUITABLE SIZE(inch)	0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5
FUNCTION	Drive E-paper Display

## ESP32 Development Kit



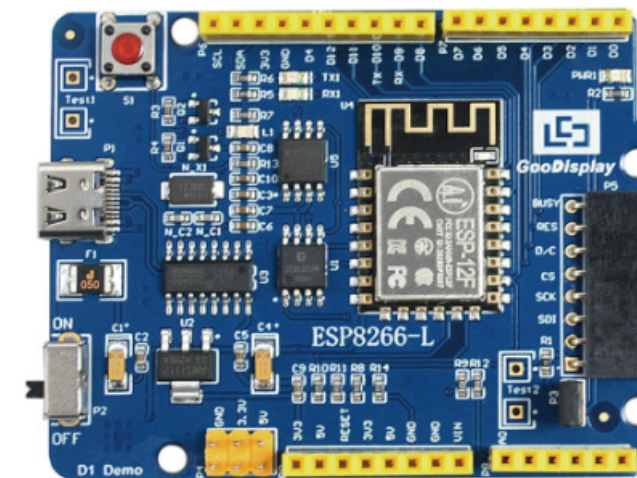
PLATFORM	Arduino
OUTLINE SIZE(mm)	70mm x 54mm (ESP32-L)
SUITABLE SIZE(inch)	0.97/1.54/2.13/2.66/2.7/2.9/3.71/4.2/5.83/7.5
FUNCTION	Drive E-paper Display

## 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

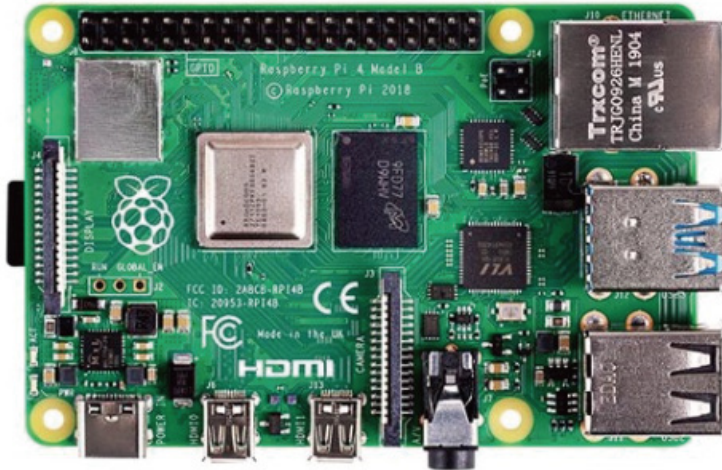
## ESP8266 Development Kits



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



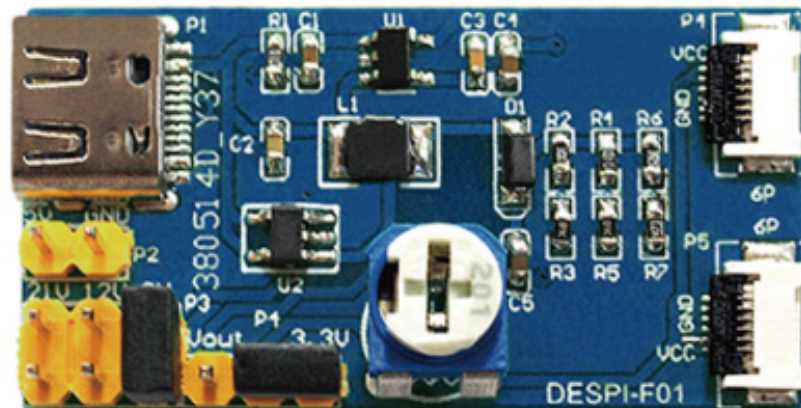
### Raspberry Pi Development Kit



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

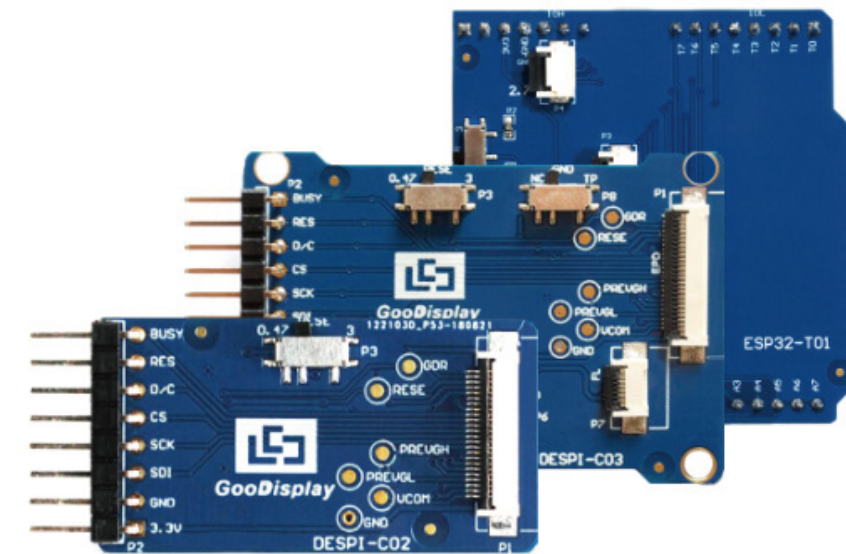
Note: The Raspberry Pi motherboard, related accessories and tools need to be purchased by the user. Our company only provide the adapter accessories required for driving e-paper.

### 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>

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