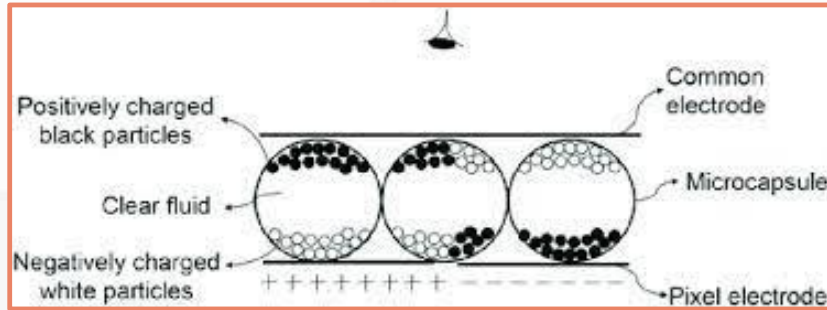


# EPD Products Catalogue

**Dalian Good Display Co.,Ltd**



### Electrophoretic Display Technology Theory Diagram



\*Inside the micro-structure there are of millions of tiny microcapsules, each containing negatively charged white particles and positively charged black particles suspended in a clear fluid. When a positive or negative electric field is applied, corresponding particles move to the top of the microcapsule where they become visible to the viewer, making the surface appear white or black at that spot.



**\*Benefits** E Paper Display(EPD) boasts many edges compared with LCD:

1. Bi-stable:

Always On  
Low Power Consumption

2. Reflective:

Paper-Like  
Sunlight Readable  
Wide View Angle  
Easy on the Eyes

Thus, EPD is an innovative and trending invention and there is every reason to believe in its prospect.



**\*At present time,** \*Good-display provides our customers with perfect E-ink EPDs in

- Monochrome( B / W)
- TRI-colors(B/ W /R) ranging from 1.02" up to 32".
- Flexible series

\*Meanwhile, we offer evaluation kits for customers to develop projects at will.

\*Good-display also offers front light and touch panel for our EPDs and welcomes customers for specified versions.



## \* Monochrome Series

Size (inch)	Item	Grayscales	Resolution	Dimension(mm)	IC	Operating Temp	Partial Refresh Time(s)	Fast Refresh Time(s)	Standard Refresh time(S)	Working Power Consumption(mW)	Standby power Consumption(mW)	Interface	Link
1.02	GDEW0102T4	2	128*80	32.57*18.6*0.98	UC8175	0°C-50°C	0.3	/	3	5	0.0165	SPI	<a href="#">Website</a>
1.54	GDEY0154D67	4	200*200	37.32*31.80*0.98	SSD1681	0°C-50°C	0.26	1.5	2	4.5	0.003	SPI	<a href="#">Website</a>
2.13	GDEY0213B74	4	250*122	29.2*59.2*1.0	SSD1680	0°C-50°C	0.4	1.5	3	10.5	0.003	SPI	<a href="#">Website</a>
2.6	GDEY0266T90	4	296*152	71.82*36.3*1.0	SSD1680	0°C-50°C	0.4	1.5	3	9.0	0.003	SPI	<a href="#">Website</a>
2.7	GDEY027T91	4	264*176	70.42*45.8*1.0	SSD1680	0°C-50°C	0.42	1.5	3	9.0	0.003	SPI	<a href="#">Website</a>
2.9	GDEY029T94	4	296*128	79*36.7*1.20	SSD1680	0°C-50°C	0.3	1.5	3	9	0.0033	SPI	<a href="#">Website</a>
3.1	GDEQ031T10	2	320*240	73.8*53.24*0.926	UC8253	0°C-50°C	/	/	5	11	0.0165	SPI	<a href="#">Website</a>
3.5	GDEQ035T81	4	384*184	91.75*45.03*0.926	SSD1685	0°C-50°C	0.32	1.5	3	9	0.006	SPI	<a href="#">Website</a>
3.71	GDEY037T03	2	416*240	92.99*53*1.18	UC8171	0°C-50°C	/	1	3	18	0.003	SPI	<a href="#">Website</a>
4.2	GDEY042T81	4	400*300	91.0*77.0*1.2	SSD1683	0°C-50°C	0.3	2	4	26.4	0.0165	SPI	<a href="#">Website</a>
5.79	GDEY0579T93	2	792*272	150.92*56.94*1.0	SSD1683	0°C-50°C	0.42	2	3	18.5	0.0165	SPI	<a href="#">Website</a>
5.83	GDEY0583T8	4	648*480	125.40*99.50*1.13	UC8179	0°C-50°C	/	/	3	33.0	0.003	SPI	<a href="#">Website</a>
7.5	GDEY075T7	4	800*480	170.2*111.2*1.18	UC8179	0°C-50°C	/	/	3	26.4	0.0165	SPI	<a href="#">Website</a>
10.2	GDEQ102T90	2	960*640	224*197*0.912	SSD1677	0°C-50°C	/	/	4	49.5	0.0066	SPI	<a href="#">Website</a>
11.6	GDEH116T91	2	960*640	254.31x176.35x0.85	SSD1677	0°C~50°C	/	/	5	33	0.0115	SPI	<a href="#">Website</a>

Parallel EPD supports 16 grayscales

9.7	GDEP097TC2	16	1200*825	218.8*156.43*1.15	/	0°C~50°C	1	1	1	3980	0.6	Parallel	<a href="#">Website</a>
13.3	GDEP133UT3	16	1600*1200	285.8*213.65*0.78	/	-15°C~65°C	1	1	1	265	0.4	Parallel	<a href="#">Website</a>
32	GDEP312TT2-D	16	2560*1440	697.2*402.8*0.805	/	-15°C~65°C	1	1	1	13300	370	Parallel	<a href="#">Website</a>

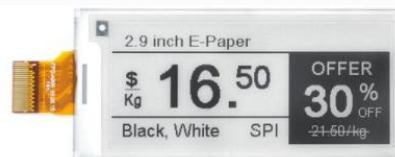


## \* Products Showcase

GDEY0154D67



GDEY029T94



GDEY0213B74



GDEQ031T10



GDEY075T7



GDEH116T91



## \* Tri-colors (B/W/R) Series

Size (inch)	Item	Grayscales	Resolution	Dimension(mm)	IC	Operating Temp	Standard Refresh Time(S)	Working Power Consumption(mW)	Standby Power Consumption(mW)	Interface	Link
1.54	GDEY0154Z90	2	200*200	37.32*31.80*0.90	SSD1681	0°C~40°C	16	7.5	0.003	SPI	<a href="#">Website</a>
2.13	GDEY0213Z98	2	250*122	59.2*29.2*1.0	SSD1680	0°C~40°C	14	5.4	0.003	SPI	<a href="#">Website</a>
2.66	GDEY0266Z90	2	296*152	71.82*36.304*1.0	SSD1680	0°C~40°C	12	12.9	0.003	SPI	<a href="#">Website</a>
2.7	GDEH027Z90	2	264*176	70.42*45.8*0.98	EK79651	0°C~40°C	16	8.58	0.0066	SPI	<a href="#">Website</a>
2.9	GDEY029Z94	2	296*128	79.0*36.7*1.2	SSD1680	0°C~40°C	12	24.9	0.006	SPI	<a href="#">Website</a>
3.71	GDEY037Z03	2	416*240	92.99*53*1.0	UC8253	0°C~40°C	12	26.4	0.003	SPI	<a href="#">Website</a>
4.2	GDEQ042Z21	2	400*300	91.0*77.0*1.001	UC8276	0°C~40°C	19	13.2	0.0165	SPI	<a href="#">Website</a>
5.79	GDEY0579Z93	2	792*272	150.92*56.94*1.0	SSD1683	0°C~40°C	20	27.0	0.006	SPI	<a href="#">Website</a>
5.83	GDEY0583Z31	2	648*480	125.40*99.50*1.18	UC8179	0°C~40°C	25	26.4	0.0165	SPI	<a href="#">Website</a>
7.5	GDEY075Z08	2	800*480	170.2*111.2*1.25	UC8179	0°C~40°C	12	33.3	0.0165	SPI	<a href="#">Website</a>
10.2	GDEQ102Z90	2	960*640	224*197*0.912	SSD1677	0°C~40°C	25	49.5	0.0066	SPI	<a href="#">Website</a>
11.6	GDEH116Z91	2	960*640	254.31*176.35*0.85	SSD1677	0°C~40°C	30	33	0.0115	SPI	<a href="#">Website</a>
12.48	GDEY1248Z51	2	1304*984	261.4*211.0*1.2	UC8179	0°C~40°C	25	148.5	0.0165	SPI	<a href="#">Website</a>



## \* Products Showcase

GDEY0154Z90



GDEY029Z94



GDEY0266Z90



GDEY037Z03



GDEQ042Z21



GDEY075Z08



GDEY1248Z51



GDEY0213Z98





### \* 7-Color Series

Size (inch)	Item	Color	Resolution	Dimension(mm)	IC	Operating Temp	Standard Refresh Time(S)	Working Power Consumption(mW)	Standby Power Consumption(mW)	Interface	Link
7.3	GDEY073D46	7	800*480	170.2*111.2*1.0		15℃-35℃	32	52.8	0.118	SPI	<a href="#">Website</a>



### \* Products Showcase

GDEY073D46





\* Flexible Series

Plastic-based TFTs allow the end product to be substantially lighter and thinner than products using glass-based TFTs. In addition, glass-based TFTs can be fragile; use of plastic-based TFTs can result in a more rugged end product with less breakage in the electronics due to drops or stress tension.

Size (inch)	Item	Colors	Grayscales	Resolution	Dimension(mm)	IC	Operating Temp	Partial Refresh Time(s)	Standard Refresh Time(S)	Working Power Consumption( mW)	Standby power Consumption( mW)	Interface	Link
1.02	GDEW0102I3F	B/W	2	128*80	32.57*18.6*0.3	UC8175	0°C~50°C	0.3	3	5	0.0165	SPI	<a href="#">Website</a>
1.54	GDEW0154I9FD	B/W	4	152*152	31.8*37.32*0.34	UC8151D	0°C~50°C	0.3	3	26.4	0.0165	SPI	<a href="#">Website</a>
2.13	GDEW0213I5FD	B/W	4	212*104	59.2*29.2*0.3	UC8151D	0°C~50°C	0.3	3	26.4	0.0165	SPI	<a href="#">Website</a>
2.9	GDEW029I6FD	B/W	4	296*128	79.0*36.7*0.34	UC8151D	0°C~50°C	0.3	3	26.4	0.0165	SPI	<a href="#">Website</a>



\* Products Showcase

GDEW0102I3F



GDEW0154I9FD



GDEW0213I5FD

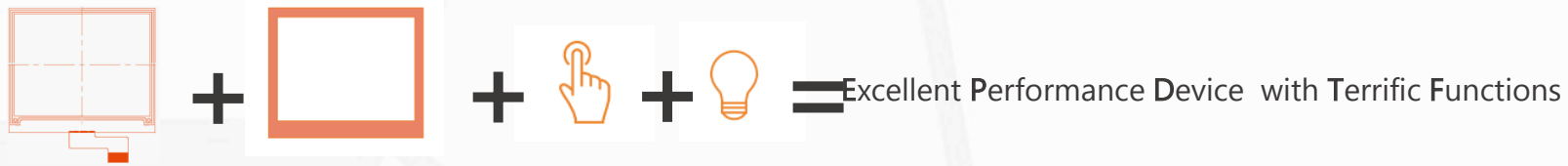


GDEW029I6FD



# EPD Front Light & Touch Panel Catalogue

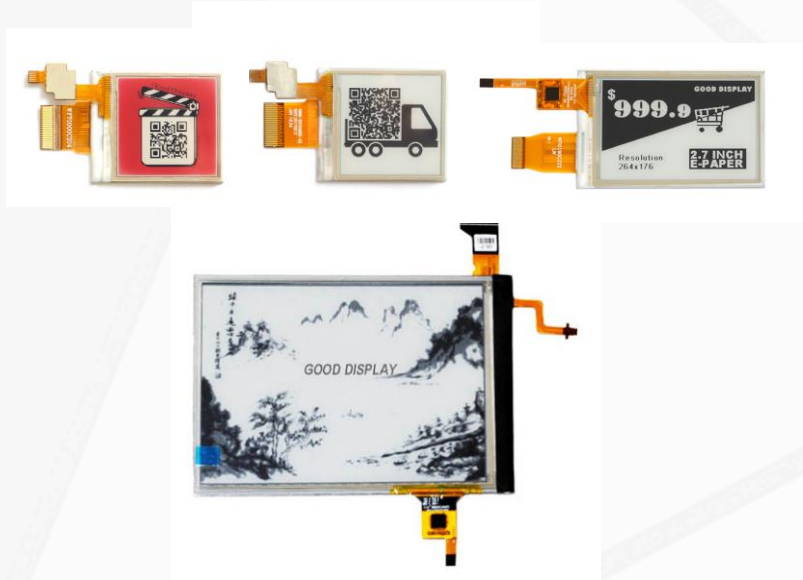
E Paper Display with Touch Panel & Front light



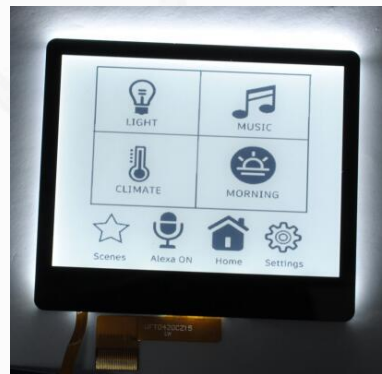
Present Sample



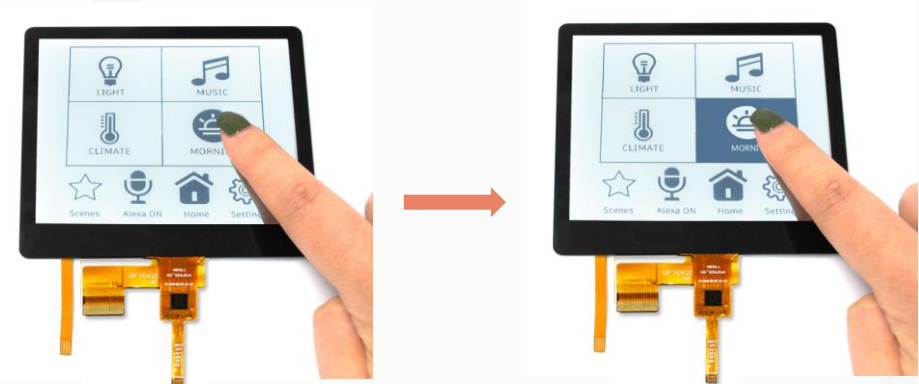
Products Demonstration :



Front light is lit :



Showcase of 4.2"EPD with touch panel partial refreshing :



## Parameters Table

Item	Size	Version	Model Name	Front Light	Touch Panel		Working Voltage	Working Current	Working Environment	Drwaing Link
				Light Amount	Touch IC	Channel Amount				
Front Light	1.54"	Standard	FL0154-L01	3	/	/	2.8V-3V	≤20mA	0°C~+50°C, ≤90%RH	<a href="#">Website</a>
	2.13"	Standard	FL0213-S01	3	/	/	≤9V	≤15mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	2.7"	Standard	FL027-S02	4	/	/	≤12V	≤15mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	2.9"	Standard	FL029-S02	4	/	/	≤12V	≤15mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	4.2"	Standard	FL042-S02	7	/	/	≤21V	8-10mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	4.3"	Customized	FL043A2-S01C	5	/	/	≤15V	≤15mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	6"	Standard	FL060-S01	8	/	/	≤24V	≤15mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
Touch Panel	1.54"	Standard	TP0154-S02	/	FT3267	16	2.8V-3.3V	≤5mA	-10°C~+60°C, ≤90%RH	<a href="#">Website</a>
	2.7"	Standard	TP027-S01	/	FT6336G	S20	2.8V-3.3V	≤5mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	4.2"	Standard	TP042-S02	/	FT6336G	S26	2.8V-3.6V	≤5mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	4.3"	Customized	TP043A2-S01C	/	FT5436	12*16	2.8V-3.6V	≤5mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>
	6"	Standard	TP060-S01	/	FT5436	16*22	2.8V-3.6V	≤5mA	0°C~+45°C, ≤90%RH	<a href="#">Website</a>

## Applicable Scenarios

innovative parcel locker solution



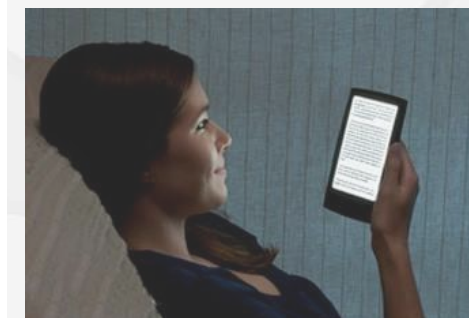
smart home control



smart wear



e reader with better user's experience



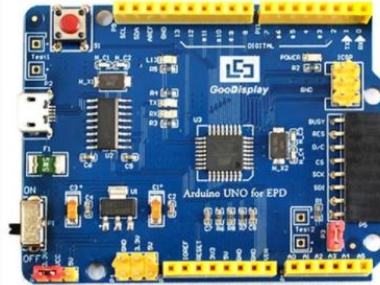




## \* Evaluation Kits



\* STM32 Development Platform



\* Arduino Development Platform



STM32 Development Platform For Parallel E-paper displays



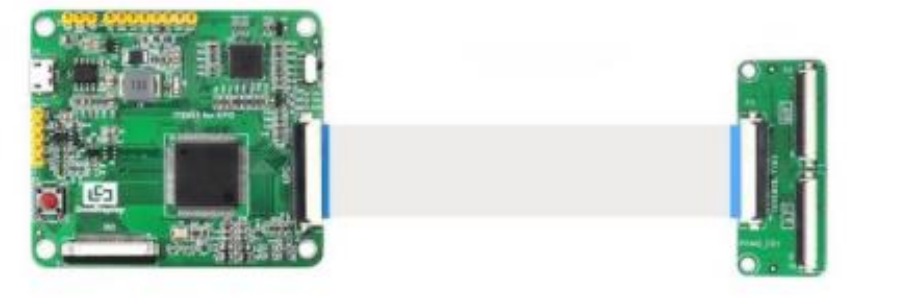
\* ESP32 Development Platform



\* ESP8266 Development Platform



\* Raspberry Pi Development Platform



\* Raspberry Pi 9.7 inch Parallel e-paper display DERPI-T0A



\* With love and profession, Good-display do our best, offer you the best!



\* Partners



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