



SMART GRAPHIC MODULE

Make your products easy and enjoyable to use



Size(Diagonal)	3.5"	4.3"	5"	5.6"	
Model Name	FG0350W00B-00R	FG0431W001-00R	FG0502W001-00R	FG056VW001-00R	
Display Format (HxV)	320 x 240	480 x 272	480 x 272	640x480	Pixels
Aspect Ratio	4.3	16.9	16.9	4.3	
Brightness w/o TSP	250	500	-	350	cd/m ²
Brightness (TSP)	200	400	300	280	cd/m ²
Power Consumption (+12V)	1.98	2.3	2.7	4.3	Watts
Outline Dimensions	88.9 x 65.7 x 14.5	118.5 x 69 x 19.2	134.5 x 77.6 x 18.35	141.5 x 100.8 x 23.65	mm
Weight	97.5	142.5	179.5	288	g
Operation Temp. w/o TSP	-20~+70	-20~+70	-	-20~+60	°C
Operation Temp.(TSP)	-20~+70	-20~+60	-20~+60	-20~+60	°C
Touch Screen Panel	4W	4W	4W	4W	
USB (Port)	Mini USB (B TYPE)	USB (A TYPE)	USB (A TYPE)	USB (A TYPE)	
Buzzer(Min)	-	85	85	85	cBA
Battery	Extend (CR1220)	Built-in (CR1220)	Built-in (CR1220)	Built-in (CR1220)	
LifeTime(Min)	10K	20K	20K	20K	Hours
Backlight Type	LED	LED	LED	LED	
Remark			MOQ		

Size(Diagonal)	7"	8"	10.2"	
Model Name	FG070W001-00R	FG0804W001-00R	FG080W001-00R	FG102W001-00R
Display Format (HxV)	800x480	800x600	800x480	800x480
Aspect Ratio	16.9	4.3	16.9	16.9
Brightness w/o TSP	250	250	450	350
Brightness (TSP)	200	200	360	280
Power Consumption (+12V)	4.3	4.25	4.8	4.32
Outline Dimensions	177.2 x 105.8 x 21.4	197.2 x 142.8 x 22.3	208.0 x 118.7 x 21.3	250.2 x 145.8 x 21.1
Weight	394.5	540.5	525.5	655
Operation Temp. w/o TSP	-20~+70	-20~+60	-20~+70	-20~+70
Operation Temp.(TSP)	-20~+70	-10~+60	-20~+70	-10~+60
Touch Screen Panel	4W	4W	4W	4W
USB (Port)	USB (A TYPE)	USB (A TYPE)	USB (A TYPE)	USB (A TYPE)
Buzzer(Min)	85	85	85	85
Battery	Built-in (CR1220)	Built-in (CR1220)	Built-in (CR1220)	Built-in (CR1220)
LifeTime(Min)	20K	20K	20K	20K
Backlight Type	LED	LED	LED	LED
Remark		MOQ	MOQ	MOQ

A. Picture Format : JPEG Category B. Memory : Flash ROM 4M Cache RAM 16M C. Communication : UART(Tx/Rx) Speed Rate 115200
 D. USB Port : For Update Internal Picture Library or Extend Picture Library E. RTC : Date, Time, Alarm Clock F. Font : Build by User
 G. Backlight Control : ON / OFF / Dimming This technical specification is subject to change without notice.

FLAT DISPLAY TECHNOLOGY CORPORATION

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FLAT DISPLAY TECHNOLOGY CORPORATION

SMART GRAPHIC TFT-LCD MODULE

Welcome the new color touch century

Say goodbye to STN!

Features:

- No need for complicated operating system
- No need for expensive CPU hardware structure
- Easily to replace STN, physical key and meter
- No need to compile complex GUI(Graphic User Interface) program
- Simply communicate through UART (115200Bps)
- Providing free development tool

Size:

- Available: 3.5" / 4.3" / 5.6" / 7"
- MOQ Required: 5" / 8" / 10.2" / 10.4"

Diagram



Your MCU

Serial Commands
UART



Touch Events



SGM Module

Integrate your MCU to a varied and colorful world

