

## **DWIN Newly Launched COF HMI LCD displays**

- COF (chip on FPC) HMI LCD display is based on DWIN'S low-power dual-core T5L0 IC, which puts the entire HMI display core circuit on the LCD module FPC, and integrates the touch screen (RTP is air bonded, CTP is OCA fully bonded);
- All 22 IOs, 3 UARTs, 1 CAN, 5 ADs, 2 PWNs and other interfaces of the user's CPU core are lead to the FPC interfaces;
- Be particularly suitable for applications that require light and thin structure, publicity requirements, and simple production of consumer products;
- DWIN self-designed T5L IC, stable supplying for long long time!



**WTR:**  
**Resistive Touch**

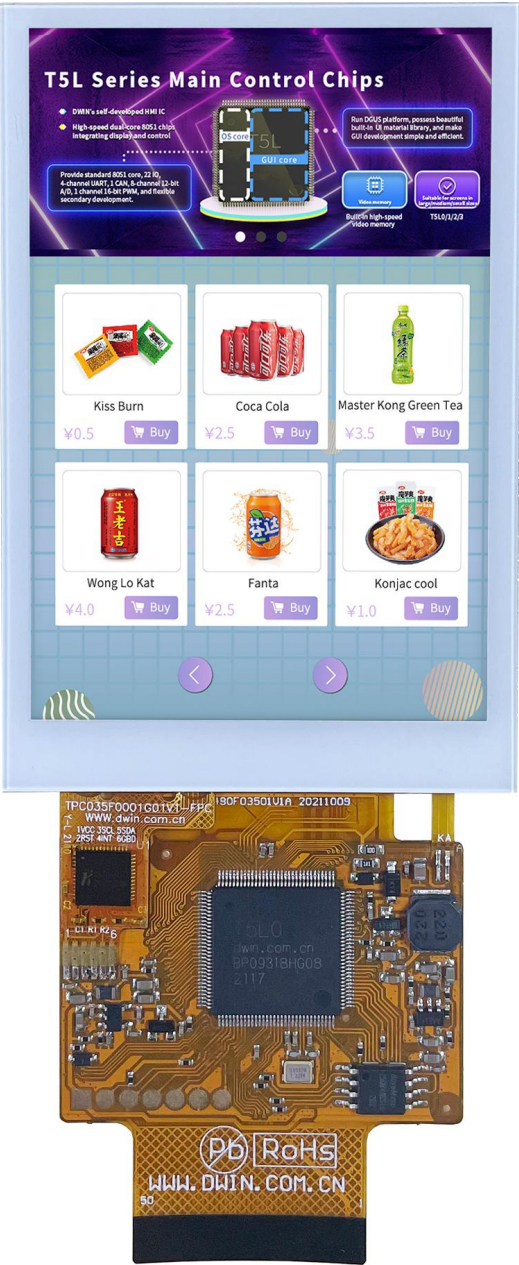


**WN: No Touch**

Size:	<b>2.8 inch</b>
Model Number:	<b>DMG32240F028_01W</b>
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	320*240
LCD Type:	TN, Viewing angle 70°/70°/50°/70°
Touch Panel Type:	2 options: No touch / Resistive touch
Active Area (mm):	43.2mm(W)×57.6mm(H)
Brightness(Nits):	200
Power Supply Voltage(V):	DC3.6-5.5V.
Power Supply Current (mA):	<a href="#">150mA@3.3V</a>
Operating Temperature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	50.0(W) × 68.95 (H) × 2.15(T) mm
<b>EWX Unit Price (USD)</b>	
DMG32240F028_01WN No touch	<b>US\$8.0/PC</b>
DMG32240F028_01WTR Resistive touch	<b>US\$8.9/PC</b>

WTC:  
Capacitive Touch

Option WN:  
No Touch



Size:	3.5 inch
Model Number:	DMG48320F035-01W
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	480*320
LCD Type:	IPS, Viewing anlge 85°/85°/85°/85°
Touch Panel Type:	No touch or Capacitive touch with two color options( black/white)
Active Area (mm):	48.96mm (W)×73.44mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	DC3.6-5.5V
Power Supply Current (mA):	<a href="#">150mA@3.3V</a>
Operating Tempreature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	54.5(W) ×83.0 (H) × 2.1(T) mm
Remarks:	OCA bonded LCD with CTP
EWX Unit Price (USD)	
DMG48320F035-01WN No touch	US\$13/PC
DMG48320F035-01WTC Capacitive touch	US\$17.5/PC



WTC: Capacitive Touch

WN: No Touch

Size:	4 inch
Model Number:	DMG48480F040_01W
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	480*480
LCD Type:	IPS, Viewing anlge 85°/85°/85°/85°
Touch Panel Type:	No touch or Capacitive touch with two color options( black/white)
Active Area (mm):	71.86mm (W)×70.18mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	DC3.6-5.5V
Power Supply Current (mA):	<a href="#">150mA@3.3V</a>
Operating Tempreature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	76.4(W) × 79.4 (H) × 2.8(T) mm
Remarks:	OCA bonded LCD with CTP
EWX Unit Price (USD)	
DMG48480F040_01WN No touch	US\$17/PC
DMG48480F040_01WTC Capacitive touch	US\$21.5/PC



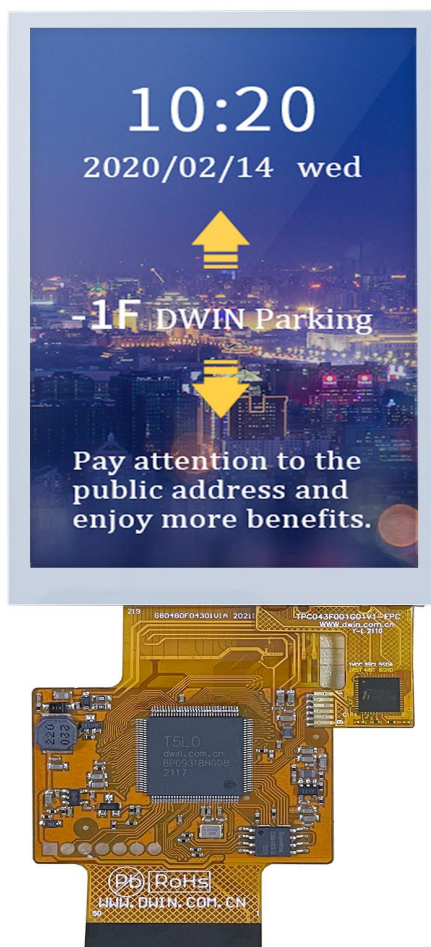
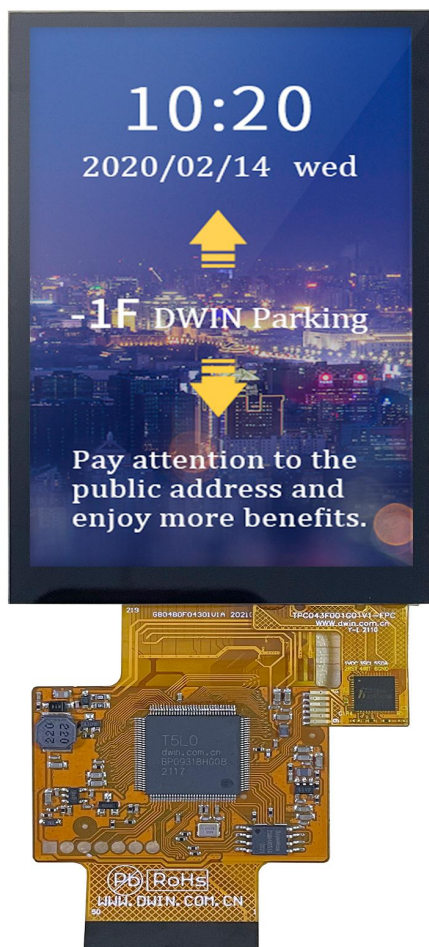


WTR:  
Resistive Touch



WN: No Touch

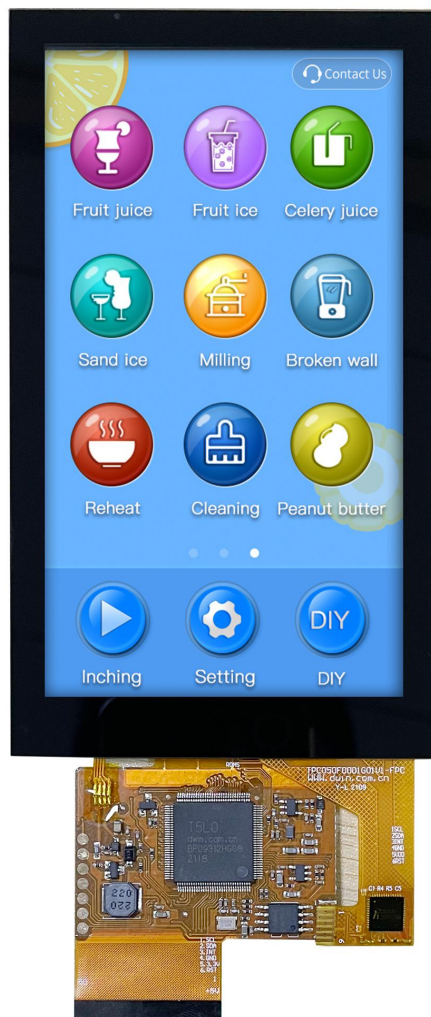
Size:	4.3 inch
Model Number:	DMG48270F043_01W
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	480*270
LCD Type:	TN, Viewing angle 70°/70°/30°/40°
Touch Panel Type:	2 options: No touch / Resistive touch
Active Area (mm):	95.04mm (W)×53.86mm (H)
Brightness(Nits):	200
Power Supply Voltage(V):	DC3.6-5.5V
Power Supply Current (mA):	<a href="#">150mA@3.3V</a>
Operating Temperature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	105.50(W) × 67.20 (H) × 4.60(T) mm
EWX Unit Price (USD)	
DMG48270F043_01WN No touch	US\$12.5/PC
DMG48480F040_01WTR Resistive touch	US\$13.5/PC



WTC: Capacitive Touch

Optional WN: No Touch

Size:	4.3 inch
Model Number:	DMG80480F043_01W
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	800*480
LCD Type:	IPS, Viewing angle 85°/85°/85°/85°
Touch Panel Type:	No touch or Capacitive touch with two color options( black/white)
Active Area (mm):	56.16mm (W)×93.60mm (H)
Brightness(Nits):	300
Power Supply Voltage(V):	DC3.6-5.5V
Power Supply Current (mA):	150mA@3.3V
Operating Temperature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	60.86(W) × 102.57 (H) × 2.8(T) mm
Remarks:	OCA bonded LCD with CTP
<b>EWX Unit Price (USD)</b>	
DMG80480F043_01WN No touch	US\$15.5/PC
DMG80480F043_01WTC Capacitive touch	US\$19.5/PC



WTC: Capacitive Touch

Optional WN: No Touch

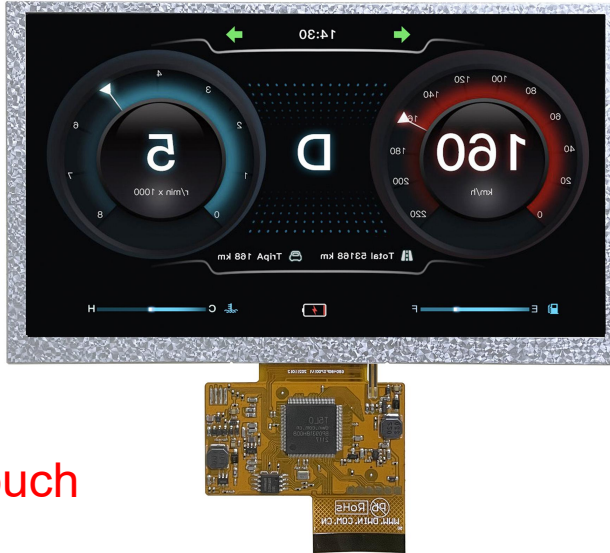


Size:	5.0 inch
Model Number:	DMG85480F050_01W
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	480*854
LCD Type:	IPS, Viewing anlge 85°/85°/85°/85°
Touch Panel Type:	No touch or Capacitive touch with two color options( black/white)
Active Area (mm):	61.23mm (W)×109.25mm (H)
Brightness(Nits):	450
Power Supply Voltage(V):	DC3.6-5.5V
Power Supply Current (mA):	150mA@3.3V
Operating Tempreature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	164.86(W) ×99.96 (H) × 3.5(T) mm
Remarks:	OCA bonded LCD with CTP
EWX Unit Price (USD)	
DMG85480F050_01WN No touch	US\$17.5/PC
DMG85480F050_01WTC Capacitive touch	US\$22.9/PC





WTR: ResistiveTouch



WN: No Touch

Size:	7 inch
Model Number:	DMG80480F070_01W
Drive IC:	DWIN self designed T5L0
Resolution (H*V):	800*480
Aspect Ratio:	16:9
LCD Type:	TN, Viewing anlge 70°/70°/30°/40°
Touch Panel Type:	2 options: No touch / Resistive touch
Active Area (mm):	154.08(W) ×85.92(H)
Brightness(Nits):	200
Power Supply Voltage(V):	DC3.6-5.5V.
Power Supply Current (mA):	<a href="#">150mA@3.3V</a>
Operating Tempreature(°C):	-10°C~60°C
Build-in Nand Flash:	8M Bytes
User Interface:	50Pin_0.5mm FPC
Dimension:	415mm(L)×250mm(W)×210mm(H)
EWX Unit Price (USD)	
DMG80480F070_01WN No touch	US\$18.5/PC
DMG80480F070_01WTR Resistive touch	US\$19.5/PC



Extra adapter board needed for debugging with PC or MCU of 50 pin interface LCD:

