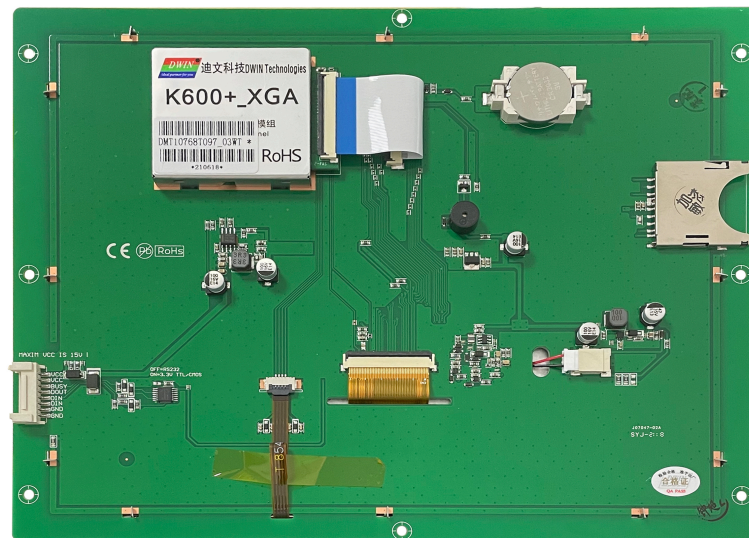


# DMT10768T097\_03W

9.7 Inches, 1024xRGBx768, 65K Colors, DGUS LCM



## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	196.6 mm (W) ×147.5 mm (H)	1024×768
Resolution	1024×768	90° rotated display (768×1024)
Backlight	LED	-
Brightness	300 nit (DMT10768T097_03WN)	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum, which may lead a flicker)
	250 nit (DMT10768T097_03WT)	

## ● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage		6.0	12.0	15.0	V
Operation Current	VCC = +12V, Backlight on	-	450	-	mA
	VCC = +12V, Backlight off	-	150	-	mA

Recommended power supply: 12V 1A DC

## ● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	60	°C
Storage Temperature	-	-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	None	-	-

## ● Interface

Item	Conditions	Min	Typ	Max	Unit
Baudrate	Standard	1200	115200	921600	bps
	User set	1200	-	1000000	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 1mA	3.0	3.2	-	V
	Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD, I/O)	Input 1, Iin = 1mA	2.0	3.3	15.0	V
	Input 0, Iin = -1mA	-15.0	0.0	0.3	V
Interface	Mode is determined by Jumper: ON = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232				
Socket	8Pin_2.00mm with lock catch				
USB	None				
SD Slot	Yes (SD/SDHC, FAT32 file format)				

## ● Memory

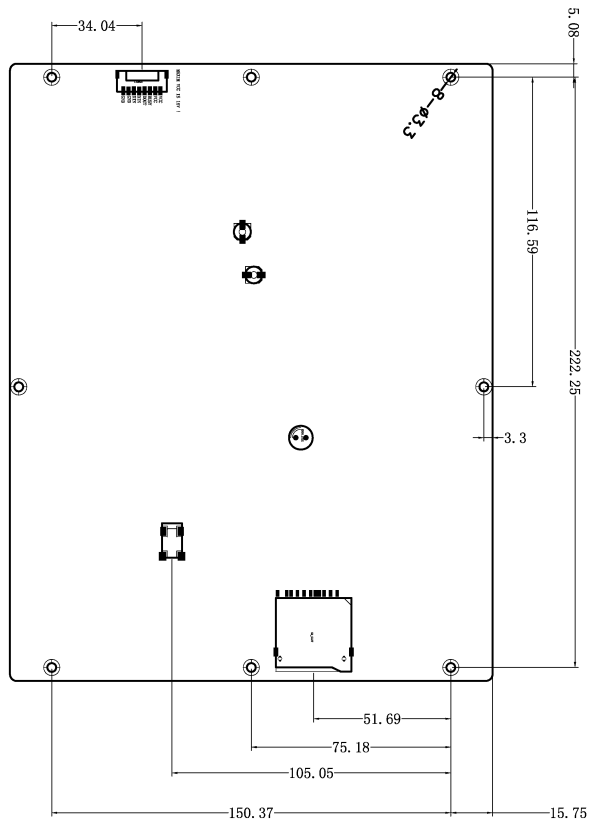
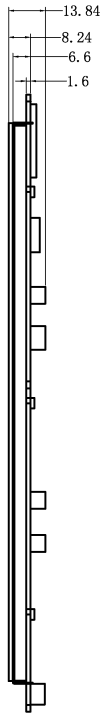
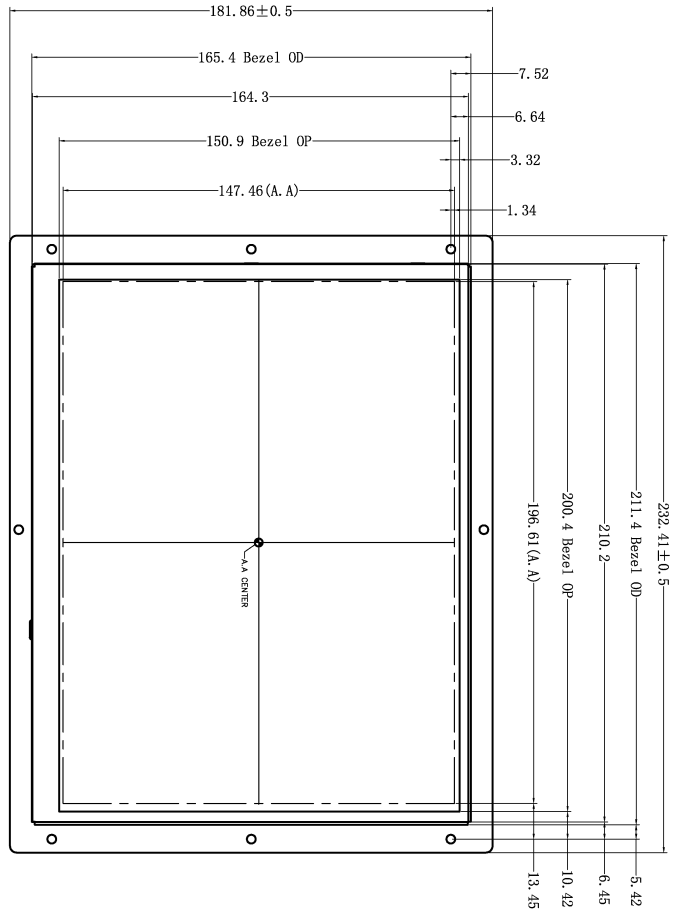
Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (256MB)	-	-	139	Pcs
	Picture Storage (1GB)	-	-	621	Pcs
RAM	Variable Storage Space	-	56	-	KB

## ● Peripherals

Peripherals Acquired	
Peripherals	DMT10768T097_03WN : RTC, Buzzer DMT10768T097_03WT : 4-wire resistance touchscreen, RTC, Buzzer

## ● Packing Capacity & Dimension

Dimension				
Dimension	232.4 (W) ×181.9 (H) ×12.2 (N) / 13.8(T)mm			
Net Weight	500g (DMT10768T097_03WN)			
	560g (DMT10768T097_03WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)×160mm(W)×47mm(H)	-	-	-
Carton2	250mm(L)×200mm(W)×80mm(H)	2	1	2
Carton3	320mm(L)×270mm(W)×80mm(H)	-	-	-
Carton4	450mm(L)×350mm(W)×300mm(H)	1	10	10
Carton5	600mm(L)×450mm(W)×300mm(H)	1	20	20



定义 Definition	序号 Pin#	类型 Type	说明 Description
VIN	1, 2	P	电源输入 Power Input
BUSY	3	-	未定义 Undefined
DOUT	4	0	串口输出 Output
DIN	5	I	串口输入 Input
DIN	6	I	串口输入 Input
GND	7, 8	P	公共接地 GND

型号 Model	DMT10768T097_03WT		
图纸 Drawing	A 4	绘制 Drawn	DWIN
比例 Scale	1:1	审核 Review	
单位 Unit	MM	批准 Approval	
日期 Date	2023.09.7	日期 Date	

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1. 尺寸定位基准为定位孔  
Location hole is used as position reference.  
2. 未标注公差为 $\pm 0.3\text{mm}$   
Unmarked Tolerance is  $\pm 0.3\text{mm}$   
注: 虚线标注为有效显示区域  
Active area is marked in Dash lines

## Revision records

Rev	Revise Date	Content	Editor
00	2015-12-21	First Edition	ZK
01	2018-01-18	Modify size	ZK
02	2018-05-29	Add instructions about brightness adjusting	ZK
03	2019-12-09	Modify Power Voltage	ZK
04	2021-07-19	Update physical picture	ZK
05	2023-09-08	Update CAD	ZYJ

Please contact us if you have any questions about the use of this document or our products, or if you would like to know the latest information about our products:

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Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!

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