

# DMT80480L070\_01WT

# DMT80480L070\_01WN

7.0 Inches, 800xRGBx480, 65K Colors, UART LCM



## Record of Revision

Revise Date	Content
2017-07-10	First Edition
2018-01-05	Renewal service life
2018-05-29	Add instructions about brightness adjusting
2018-06-09	Modify instructions about power voltage
2018-08-30	Modify dimensional drawing(Iron frame dimension) and update pictures
2019-12-9	Modify Power Voltage

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	153.8mm (W) ×85.6mm (H)	800x480
View Area (V.A.)	156.2mm (W) ×88.6mm (H)	800x480
Resolution	800x480	Support 0°/90°rotated display
Backlight	LED	≥10000H (Brightness in half life)
Brightness	300 nit (DMT80480L070_01WN)	64 levels adjustment ( By 0x5F Command ) (It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
	250 nit (DMT80480L070_01WT)	

## ● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6.0	12.0	36.0	V
Operation Current	VCC = +12V, Backlight on	-	200	-	mA
	VCC = +12V, Backlight off	-	80	-	mA
Recommended power supply: 12V 1A DC					
After the product is powered on,the power input should be over 4.9V,otherwise the product may not work properly.					

## ● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	°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	User Set	7841	115200	7833600	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 8mA	3.94	-	5.0	V
	Output 0, Iout = -8mA	-	0	0.3	V
Input Voltage (RXD)	Input 1	2.7	3.3	-	V
	Input 0	0	-	1.5	V
Interface	Mode is determined by Jumper: ON = 8N1, 5.0V CMOS; OFF = 8N1, RS232				
Socket	8Pin_2.0mm Socket				
USB	None				
SD Slot	YES(SDHC/FAT32 Format)				
Speaker	2Pin_2.0mm Socket				

## ● Memory

Item	Parameter	Min	Typ	Max	Unit
Flash	Space of Font/Audio Files	-	32	-	Mbytes
	Picture Storage	-	-	125	Pcs

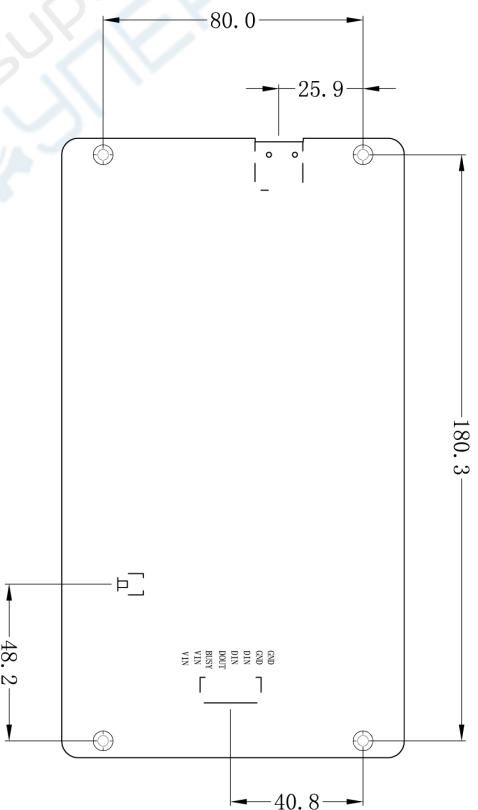
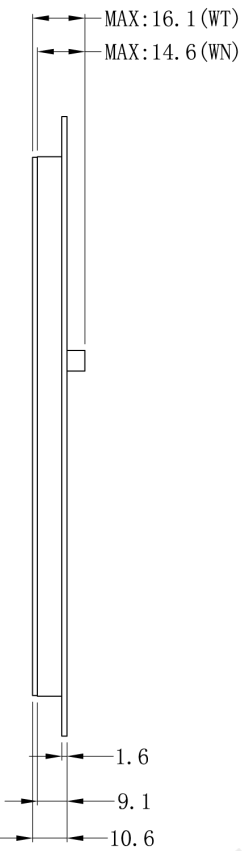
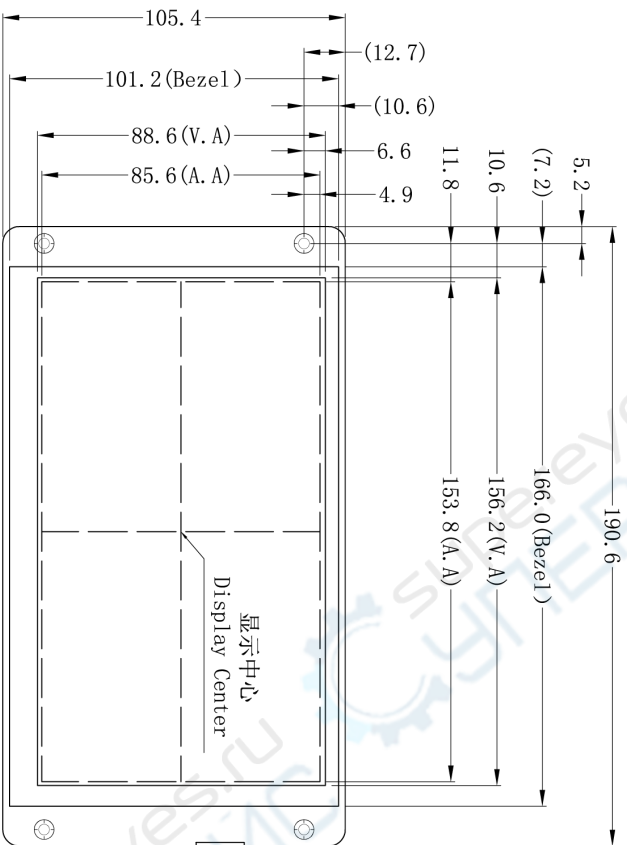
## ● UI & Peripheral

UI & Peripheral	
UI Version	T5UIC2
Peripheral	DMT80480L070_01WN : Speaker DMT80480L070_01WT :Resistive touchscreen, Speaker

## ● Packing Capacity & Dimension

Dimension				
Dimension	190.6(W) × 105.4(H) × 14.6(N) / 16.1(T)mm			
Net Weight	260g (DMT80480L070_01WN)			
	320g (DMT80480L070_01WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1	220mm(L)×160mm(W)×47mm(H)	None	None	None
Carton2	250mm(L)×200mm(W)×80mm(H)	2	1	2
Carton3	320mm(L)×270mm(W)×80mm(H)	2	2	4
Carton4	450mm(L)×350mm(W)×300mm(H)	1	10	10
Carton5	600mm(L)×450mm(W)×300mm(H)	1	20	20

Remark:There is no extra-notice if the product design changes that do not affect performance parameters and use



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.

引脚名称	引脚定义	引脚类型	说明
VIN	1, 2	P	电源输入/Power Input
BUSY	3	-	未定义/Defined
DOUT	4	0	迪文屏串口输出/DOUT
DIN	5, 6	I	迪文屏串口输入/DIN
GND	7, 8	P	公共地/GND

型号	DMT804801070_01WT			北京迪文科技		
图纸	A4	绘图	DWIN	日期		Beijing DW/TN Technology Co., Ltd.
比例		审核		日期		
单位	mm	批准		日期		