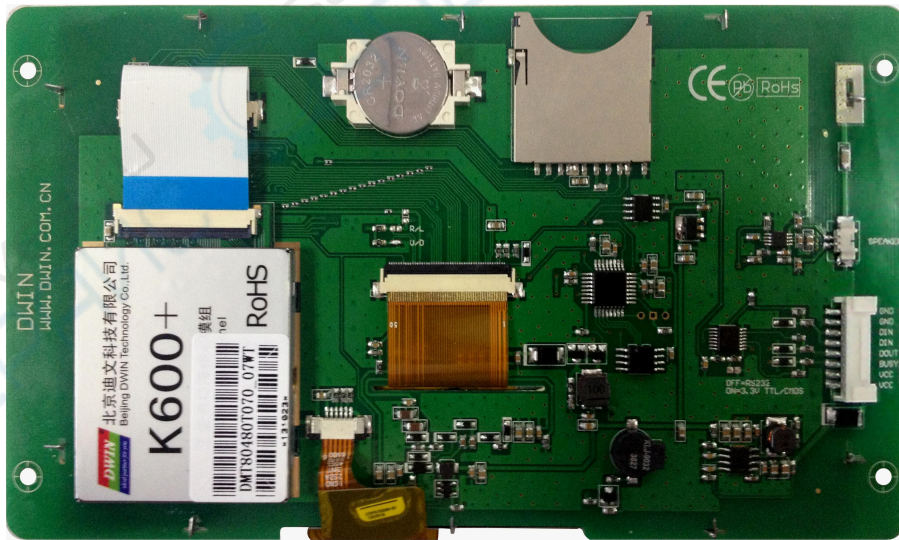


# DMT80480T070\_07WN DMT80480T070\_07WT

7.0 Inches, 800xRGBx480,K600+ Kernel, 65K Colors, DGUS LCM



### Record of Revision

Revise Date	Content
2013-10-24	First Edition
2018-06-05	Add instructions about brightness adjusting
2019-01-07	Modify dimensional drawing(Iron frame dimension),add backlight mode description
2019-12-09	Modify Power Voltage

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16-bit color 5R6G5B
Active Area (A.A.)	154.1mm (W) ×85.9mm (H)	800×480
Resolution	800×480	90° rotated display (480×800)
Backlight	LED	≥30000H (Continuous working with maximum brightness, time of brightness halves )
Brightness	500 nit (DMT80480T070_07WN)	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
	400 nit (DMT80480T070_07WT)	
Notice: Displaying a high contrast still screen for more than 30 minutes may result in an image blurring.Please add the screensaver to avoid.		

## ● Voltage & Current

Item	Conditions	Min	Typ.	Max	Unit
Power Voltage	-	6.0	12.0	15.0	V
Operation Current	VCC = +12V, Backlight on	-	280	-	mA
	VCC = +12V, Backlight off	-	120	-	mA
Recommended power supply: 12V 1A DC					

## ● 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	-	-
Aging Test	-	-	24	-	H

## ● Interface

Item	Conditions	Min	Typ.	Max	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User define	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)	-	-	278	Pcs
	Picture Storage (2GB)	-	-	2528	Pcs
RAM	Variable Storage Space	-	56	-	KB

## ● Peripherals

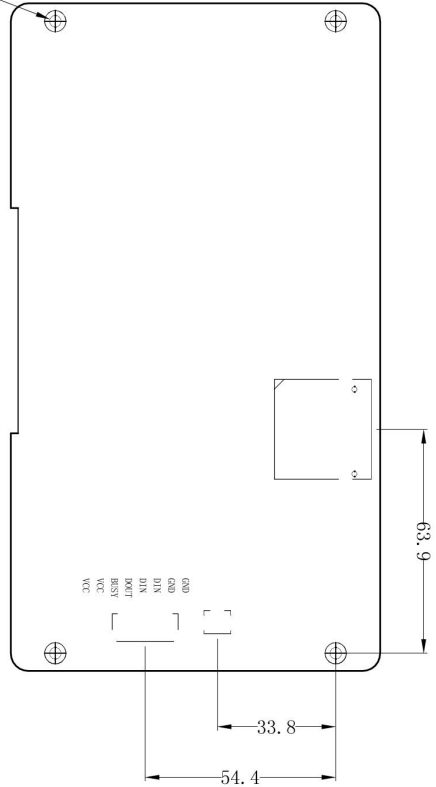
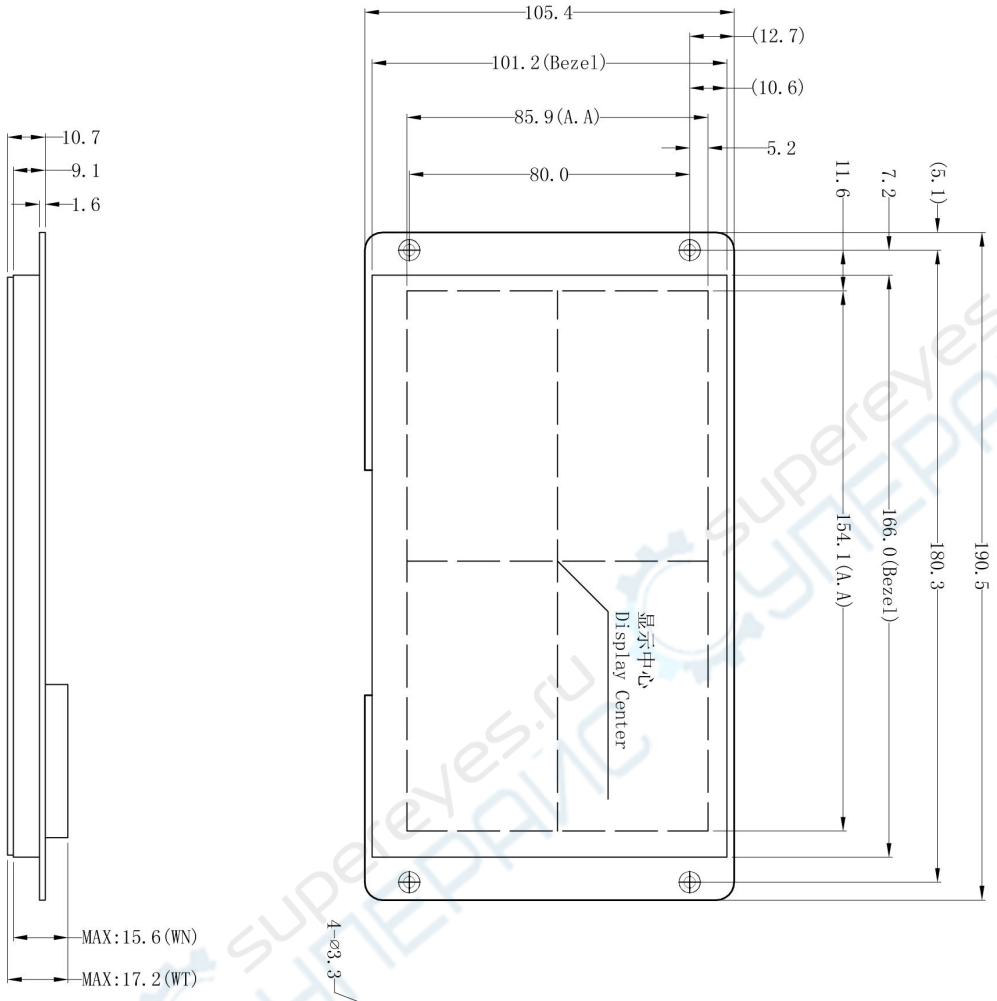
Peripherals Acquired	
Peripherals	DMT80480T070_07WN: RTC, Buzzer, 128 Segments of Audio playback DMT80480T070_07WT: Capacitive touch screen,RTC,Buzzer,128 Segments of Audio playback

## ● Packing Capacity & Dimension

Dimension				
Dimension	190.5 (W) × 105.4 (H) × 15.6 (N) / 17.2(T)mm			
Net Weight	300g (DMT80480T070_07WN)			
	345g (DMT80480T070_07WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
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

引脚名称	引脚定义	引脚类型	说明
GND	7, 8	P	公共接地/GND
DIN	5, 6	I	通文屏串口输入DIN
DOU1	4	O	通文屏串口输出DOU1
BUSY	3	-	未定义/Not Defined
VCC	1, 2	P	电源输入/Power Input



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

型号	DMT80480T070_07WN		
图 纸	A 4	图 纸	DWIN
比 例		审 核	
单 位	MM	批 准	
		日 期	
迪文科技 DWIN Technologies			