

# DMT80600T104\_05WN

# DMT80600T104\_05WT

10.4 Inches, 800xRGBx600, 65K Colors, DGUS LCM



### Record of Revision

Revise Date	Content
2015-04-15	First Edition
2017-03-18	Update Version (Update Figure)
2018-05-17	Add instructions about brightness adjusting
2018-08-23	Modify dimensional drawing (Iron frame dimension)
2019-12-09	Modify Power Voltage
2020-12-08	Update memory

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area (A.A.)	211.2 mm (W) ×158.4 mm (H)	800 x 600
View Area (V.A.)	212.2 mm (W) ×159.4 mm (H)	800 x 600
Resolution	800 x 600	90° rotated display (600 x 800)
Backlight	LED	-
Brightness	400 nit (DMT80600T104_05WN)	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
	320 nit (DMT80600T104_05WT)	

## ● Voltage & Current

Item	Conditions	Min	Typ.	Max	Unit
Power Voltage		6.0	12.0	15.0	V
Operation Current	VCC = +12V, Backlight on	-	400	-	mA
	VCC = +12V, Backlight off	-	130	-	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	-	-

## ● 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/O0)	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	Typ.	Parameter	Typ.	Description
FLASH	256MBytes	Space of Font	32MBytes	User used to store icons or fonts
		Picture storage	224MBytes(It can be extended to 1GB)	User used to store pictures
RAM	56KB	Variable storage	56KB	Data is not saved when power down

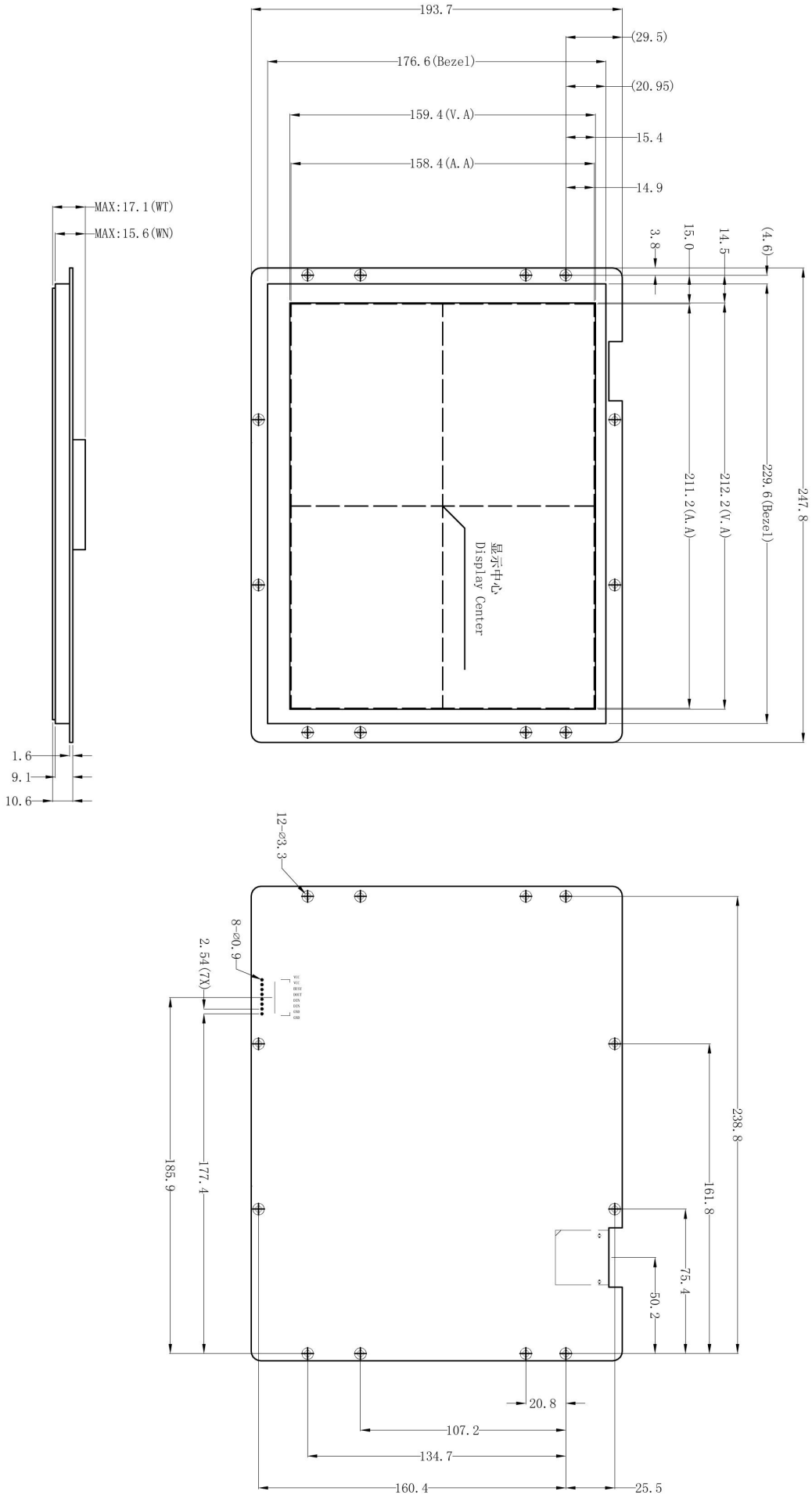
## ● Peripherals

Peripherals Acquired	
Peripherals	DMT80600T104_05WN : RTC, Buzzer DMT80600T104_05WT : 4-wire resistance touchscreen, RTC, Buzzer

## ● Packing Capacity & Dimension

Dimension				
Dimension	247.8 (W) × 193.7 (H) × 15.6 (N) / 17.1 (T)mm			
Net Weight	580g (DMT80600T104_05WN)			
	700g (DMT80600T104_05WT)			
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)	None	None	None
Carton3	320mm(L)×270mm(W)×80mm(H)	2	1	2
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



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	迪文屏串口输入DIN
DOU <sup>T</sup>	4	0	迪文屏串口输出DOU <sup>T</sup>
B <sup>IS</sup> <sub>V</sub>	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	图纸	图纸	日期	日期	日期	日期	日期
DMT80600T104_05WN	A 4	DWIN					
DMT80600T104_05WT							

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