

# DMT80600T121\_04W

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



## Record of Revision

Revise Date	Content
2015-08-18	First Edition
2018-05-29	Add instructions about brightness adjusting

## ● Display

Item	Parameter	Description
Color	65K (65536) colors	16-bit color 5R6G5B
Active Area (A.A.)	246.0mm (W) ×184.5mm (H)	800 x 600
View Area (V.A.)	249.6mm (W) ×188.1mm (H)	800 x 600
Resolution	800 × 600	90° rotated display (600 × 800)
Backlight	LED	-
Brightness	350 nit (DMT80600T121_04WN)	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
	300 nit (DMT80600T121_04WT)	

## ● Voltage & Current

Item	Conditions	Min	Typ.	Max	Unit
Power Voltage	-	12.0	12.0	42.0	V
Operation Current	VCC = +12V, Backlight on	-	700	-	mA
	VCC = +12V, Backlight off	-	180	-	mA
Recommended power supply: 12V 1.5A 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	-	-	无	-	-

## ● Interface

Item	Conditions	Min	Typ.	Max	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User define	1200	-	1000000	bps
Output Voltage (TXD)	Output 1, Iout = 1mA	3.0	3.2	-	V
	Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD)	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)	-	-	209	Pcs
	Picture Storage (1GB)	-	-	932	Pcs
RAM	Variable Storage Space	-	56	-	KB

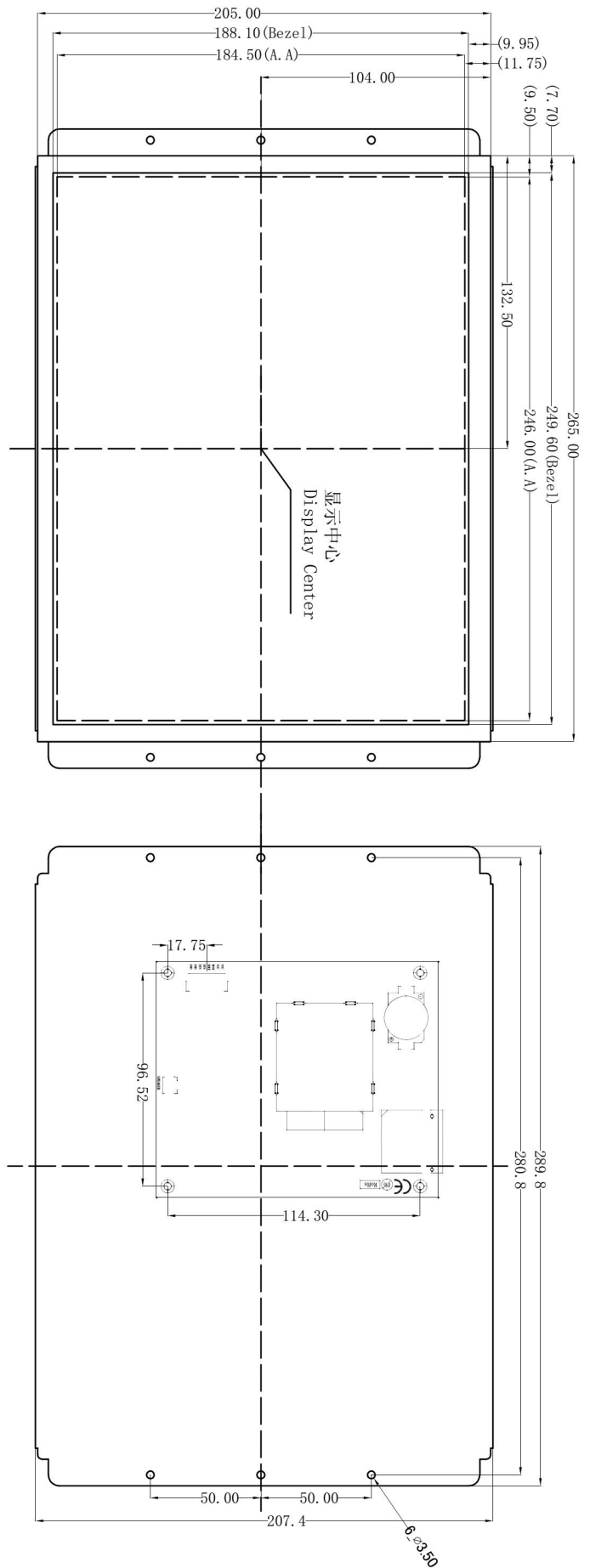
## ● Peripherals

Peripherals Acquired	
Peripherals	DMT80600T121_04WN: RTC, Buzzer, 128 Segments of Audio playback DMT80600T121_04WT: 4-wire resistance touch screen,RTC,Buzzer,128 Segments of Audio playback

## ● Packing Capacity & Dimension

Dimension				
Dimension	289.8 (W) ×207.4 (H) ×22.0(N)/23.5(T) mm			
Net Weight	1100g (DMT80600T121_04WN)			
	1250g (DMT80600T121_04WT)			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton5	600mm(L)×450mm(W)×300mm(H)	1	5	5

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
Vcc	1, 2	P	电源输入/Power INPUT
BUSY	3	-	未定义/Not Defined
DOUT	4	OUT	迪文串口输出/DOUT
DIN	5, 6	DIN	迪文串口输入/DIN
GND	7, 8	P	公共地

型号	DMT80600T121_04W			北京迪文科技 Beijing DWIN Technology Co., Ltd.		
图纸	A4	绘图	DWIN	日期		
比例		审核		日期		
单位	mm	批准		日期		