

DMT48270T043_15WT

4.3 Inches, 480xRGBx272, 65K Colors, DGUS LCM



Record of Revision

Revise Date	Content
2014-12-06	First Edition

● Hardware Features

Item	Parameter	Description
LCD Type	TFT	
Resolution	480×272	90° rotation by configuration file (272×480)
Color	65K (65536)colors	16 bit color 5R6G5B
Active Area(A.A.)	95.0mm(W)×53.9mm(H)	
Touchscreen Type	4-wire resistance touchscreen	
Touchscreen Inaccuracy	+/- 0.5%	Calibrate on running
Backlight Type	LED	The half brightness life will not less than 30000 hrs.
Brightness	300nit	64 levels adjustment; Touchscreen control brightness and light time.
SD Slot	SD/SDHC	FAT32 file format; Download and upgrade pictures, fonts and configuration files.
RTC Accuracy	1 sec/24 hours	25℃
Other Hardware	Buzzer	Software controls tweet; Automatically sound prompts when effective touch button is clicked

● Working Environment & Reliability Test

Item	Conditions	Min	Typ.	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
ESD Protection Grade	IEC Class 4 (Contact and In-Air)				
Protection Grade	IP65 (Front)				
Other Certification	CE RoHS				

● Interface

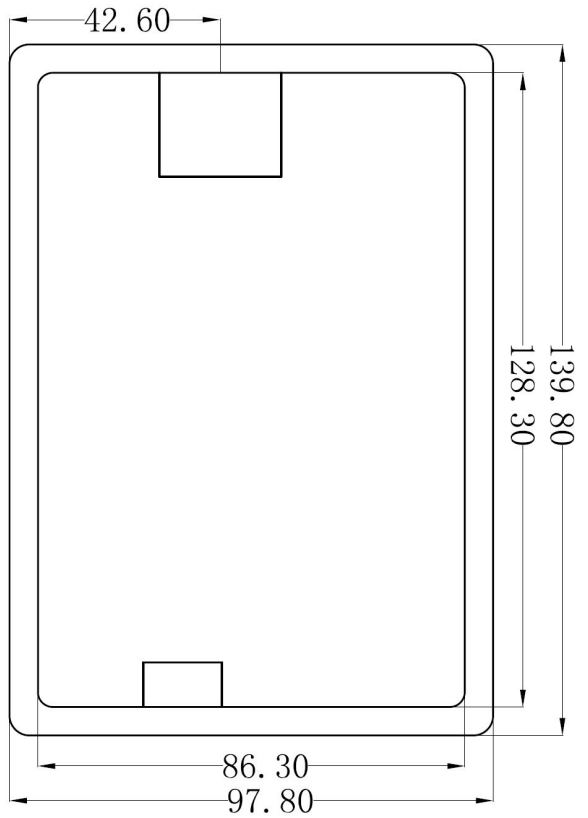
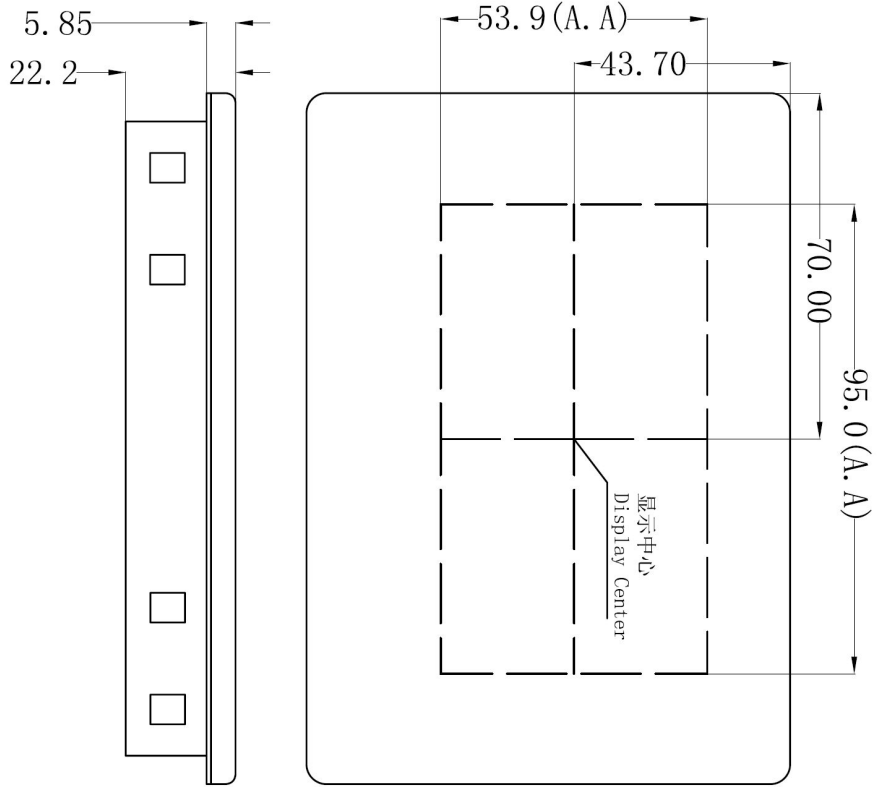
Item	Description	
Power Voltage	DC 6.0V-42.0V, with Reversed Polarity Protection	
Power Consumption	1.8W (12V, 150mA)	
Baudrate	Min	1200 bps
	Typ.	115200 bps
	Max	230400 bps
Interface Model	N81	
Interface Protocol	RS485 & RS232	
Socket	6Pin_3.81mm	

● Software Features

Item	Description
Software Platform	DWIN DGUS system software
Register Space	256 Bytes
Variable Storage Space	56K Bytes
Fonts & Icons Storage Space	32M Bytes
Pictures Storage Space	224MB, 836 full-screen pictures

● Installation Features

Item	Description
Case Material	ABS + PC Engineering Plastic
Case Color	Black
Dimension	139.8(mm)×97.8(mm)×22.2(mm)
Hole Size	129.3(mm)×87.3(mm)
Installation Depth	22.7(mm) (incl. 6pin_3.81mm Phoenix Connector)
Weight	200g
Accessories	Waterproof rubber gasket, buckles


电源接口定义

引脚名称	引脚定义	引脚类型	说明
VIN	1	P	电源输入/Power INPUT
232_Rx	2	Input	迪文串口输入/DIN
232_Tx	3	Output	迪文串口输出/DOUT
485_-	4	B	迪文屏485-
485_+	5	A	迪文屏485+
GND	6	GND	公共地

1. 尺寸定位基准为显示中心
Display center 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
Display Area is marked in Dash lines.

型号	DMT80480T043_15WT			北京迪文科技 Beijing DWIN Technology Co. Ltd.		
图纸	A4	绘图	DWIN			
比例	1:1	审核		日期		
单位	mm	批准		日期		

HMI安装固定示意图

HMI installation guide



第一步：将HMI嵌入到所开的孔中；
Step.1: Embed the HMI in the hole;



图中红色位置为卡扣安装孔
上图为俯视图，HMI底部有同样两组卡扣安装孔



The mounting holes are marked by the red circles.
The picture above shows the top view ,there are the same mounting holes on the other side.

第二步：如图所示，将卡扣置入安装孔中；
Step.2 : Place the buckles into the mounting holes as shown;



第三步：旋紧螺丝，将HMI固定在设备上。
Step.3 : Tighten the screws to fix the HMI on the device.