

DMT80480T050_18WTZ1

5.0 Inches, 800xRGBx480, 65K Colors, DGUS LCM



Record of Revision

Revise Date	Content
2014-06-06	First Edition
2014-11-24	Spacer added for snap installing
2018-05-17	Add instructions about brightness adjusting

● Hardware Features

Item	Parameter	Description
LCD Type	TFT	
Resolution	800×480	90° rotation by configuration file (480×800)
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area(A.A.)	108.0mm(W)×64.8mm(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	500nit	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker); 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°C
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	°C
Storage Temperature	-	-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Aging Test	-	-	24	-	H
ESD Protection Grade	IEC Class 4 (Contact and In-Air)				
Other Certification	CE RoHS				

● Interface

Item	Description	
Power Voltage	DC 6.0V-15.0V, with Reversed Polarity Protection	
Power Consumption	2.4W (12V, 220mA)	
Baudrate	Min	1200 bps
	Typ.	115200 bps
	Max	230400 bps
Interface Model	N81	
Interface Protocol	RS485 & RS232	
Socket	6Pin_3.81mm	

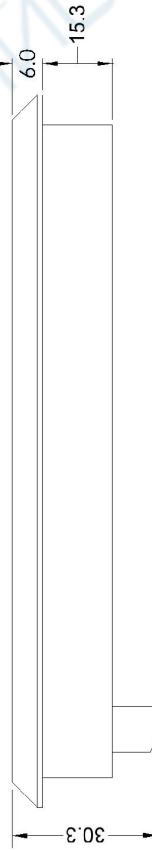
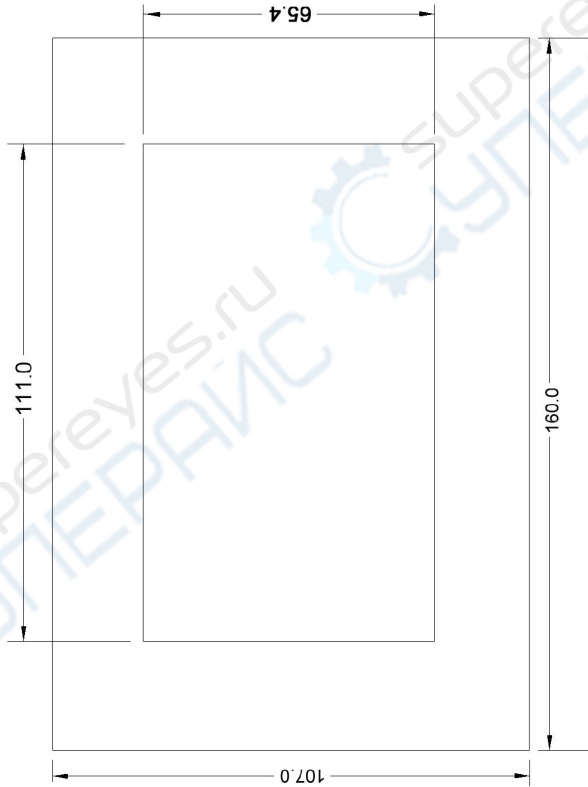
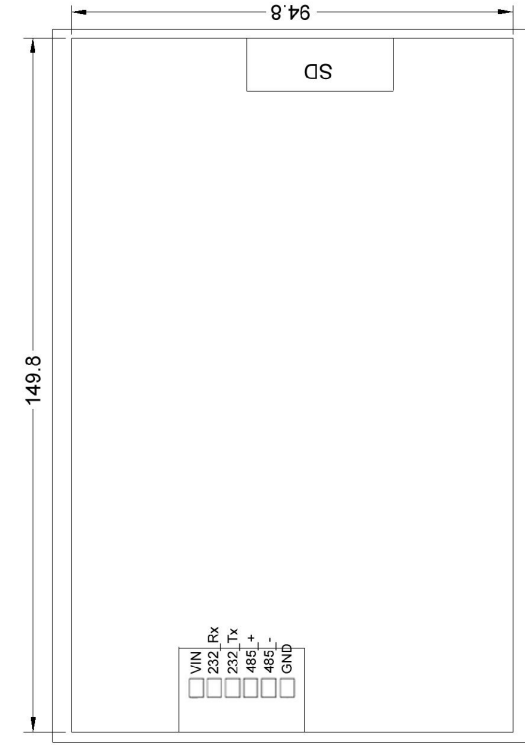
● Software Features

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, 278 full-screen pictures

● Installation Features

Item	Description
Case Material	ABS + PC Engineering Plastic
Case Color	Black
Dimension	160.0(mm)×107.0(mm)×21.3(mm)
Hole Size (Recommended)	150.8(mm)×95.8(mm)
Installation Depth	24.3(mm) (incl. 6pin_3.81mm Phoenix Connector)
Weight	300g
Accessories	Waterproof rubber gasket, buckles

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



未标注公差为±0.3mm。
Unmarked tolerance is ±0.3mm.

引脚名称	引脚编号	引脚说明 (I/O)	型号	DMT80480T050_18WTZ1		
VIN	1	Power	图纸	A4	绘图	DWIN
232_Rx	2	Input	比例	1:1	审核	日期
232_Tx	3	Output	单位	mm	批准	日期
485_+	4	A				
485_-	5	B				
GND	6	GND				



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.