

DMT80480C070_15WT

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



Record of Revision

Revise Date	Content
2016-03-07	First Edition

● 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.)	154.1mm(W)×85.9mm(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 30000hrs.
Brightness	250nit	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/24hours	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	60	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
Aging Test	-	-	24	-	H
ESD Protection Grade	IEC Class 4 (Touch and air)				
Protection Grade	IP65 (Front)				
Other Certification	CE RoHS				

● Interface

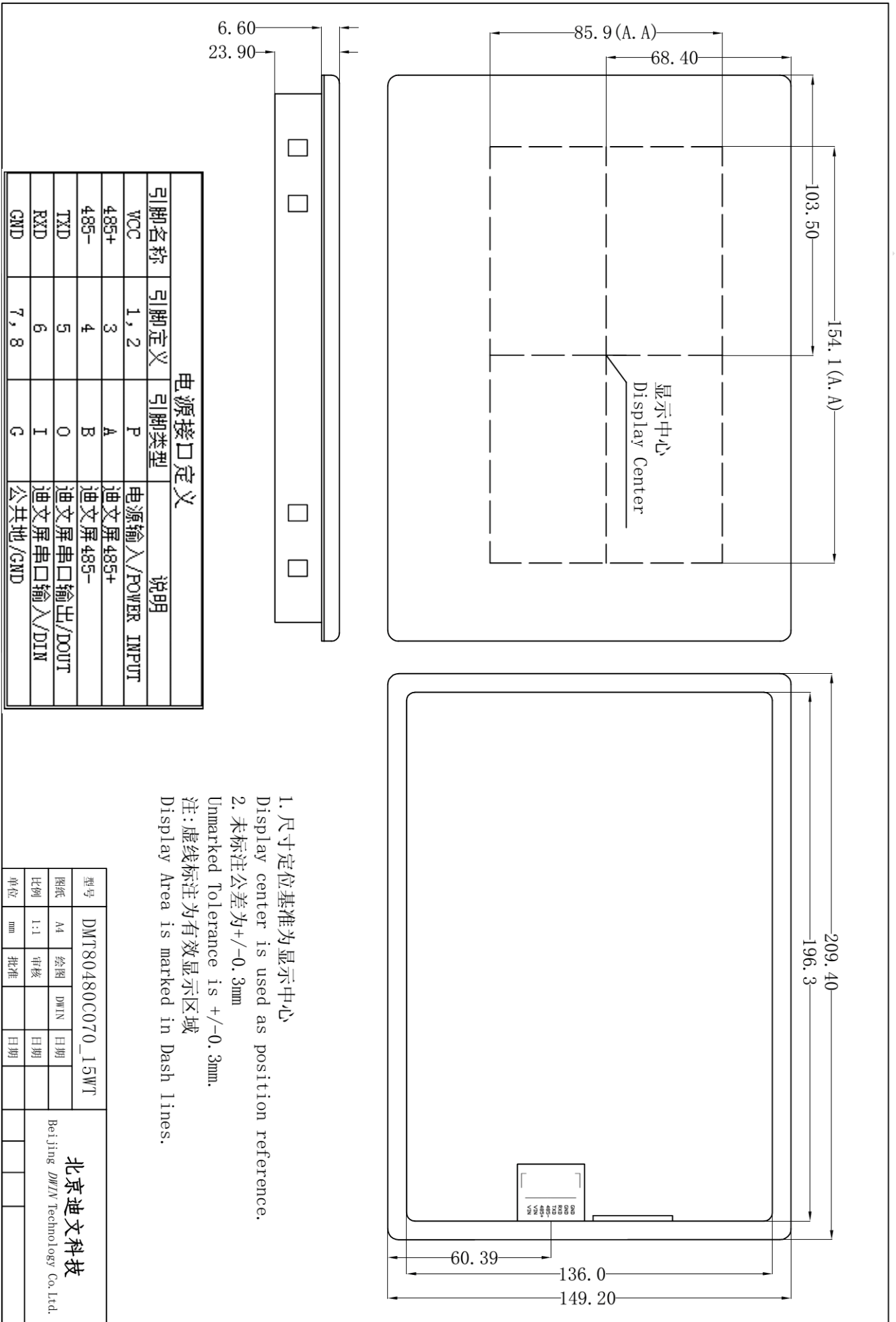
Item	Description	
Power Voltage	DC 6.0V-42.0V,with Reverse Polarity Protection	
Power Consumption	3.6W (12V 300mA)	
Baudrate	Min	1200 bps
	Typ.	115200 bps
	Max	250kbps(RS232)/1Mbps(RS485)
Interface Model	N81	
Interface Protocol	RS485; RS232/3.3V TTL/CMOS(Determined by Jumper)	
Socket	8Pin_2.00mm with lock catch	

● 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	209.40(mm)×149.2(mm)×23.9(mm)
Hole Size	197.30(mm)×137.0(mm)
Installation Depth	17.3(mm)
Weight	500g
Accessories	Waterproof rubber gasket, buckles



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.

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.