

# DMT10768T097\_18WT

9.7 Inches, 1024xRGBx768, 65K Colors, DGUS LCM



### Record of Revision

Revise Date	Content
2012-11-23	First Edition
2013-08-28	Update Baudrate

## ● Hardware Features

Item	Parameter	Description
LCD Type	TFT	
Resolution	1024x768	90° rotation by configuration file (768x1024)
Color	65K (65536) colors	16 bit color 5R6G5B
Active Area(A.A.)	196.6mm(W)×147.5mm(H)	
Touchscreen Type	4-wire resistance touchscreen	
Touchscreen Inaccuracy	+/- 0.5%	Calibrate whenever 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 file.
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)				
Protection Grade	IP65 (Front)				
Other Certification	CE, RoHS				

## ● Interface

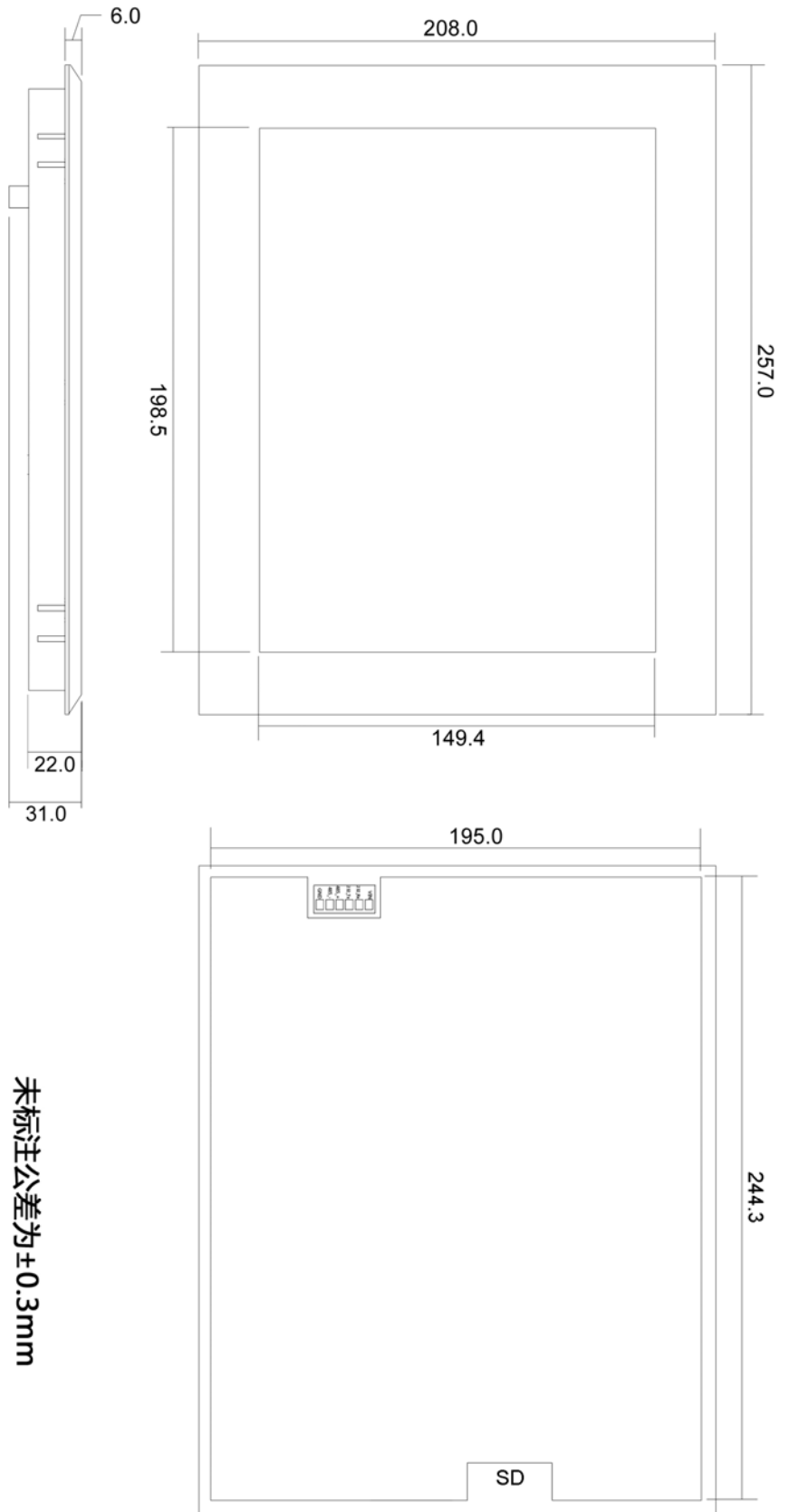
Item	Description	
Power Voltage	DC 6.0V-42.0V, with Reverse Polarity Protection	
Power Consumption	4.8W (12V, 400mA)	
Baudrate	Min	1200 bps
	Typ.	115200 bps
	Max	230400 bps
Interface Model	N81	
Interface Protocol	RS485 & RS232	
Socket	6Pin_3.81mm	

## ● 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, 145 full-screen pictures

## ● Installation Features

Item	Description
Case Material	ABS + PC Engineering Plastic
Case Color	Black
Dimension	257.0(mm)×208.0(mm)×22.0(mm)
Hole Size	245.3(mm)×196.0(mm)
Installation Depth	25.0(mm) (incl. 6pin_3.81mm Phoenix Connector)
Weight	785g
Accessories	Waterproof rubber gasket, buckles



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)
VIN	1	Power
232_Rx	2	Input
232_Tx	3	Output
485_+	4	A
485_-	5	B
GND	6	GND

型号	DMT10768T097_18WT		
图纸	A4	绘图	DWIN
比例	1:1	审核	
单位	mm	批准	
		日期	
北京迪文科技有限公司 Beijing DWIN Technology Co., Ltd.			

# 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.