DMT80600T080_15WT

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

Record of Revision

Revise Date	Content
2014-11-25	First Edition
2016-10-09	Update the Dimension Drawing
2018-05-17	Add instructions about brightness adjusting
2018-11-19	Update installation guide

● **Hardware Features**

Item	Parameter	Description
LCD Type	TFT	
Resolution	800×600	90° rotation by configuration file (600×800)
Color	65K(65536)colors	16 bit color 5R6G5B
Active Area(A.A.)	162.0mm(W)×121.5mm(H)	
Touchscreen Type	4-wire resistance touchscreen	
Touchscreen Inaccuracy	+/- 0.5%	Calibrate on running.
Backlight Type	LED	≥30000H（Continuous working with maximum brightness, time of brightness halves）
Brightness	300nit	64 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)
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

Notice：Displaying a high contrast still screen for more than 30 minutes may result in an image blurring.Please add the screensaver to avoid .

● **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 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, 209 full-screen pictures

● **Installation Features**

Item	Description
Case Material	Engineering Plastic
Case Color	Black
Dimension	217.0(mm)×166.5(mm)×24.3(mm)
Hole Size	207.1(mm)×156.7(mm)
Installation Depth	23.0(mm) （incl. 6pin_3.81mm Phoenix Connector）
Weight	670g
Accessories	Waterproof rubber gasket, buckles
Snap screw	2kgf.cm~2.3kgf.cm

Remark:There is no extra-notice if the product design changes that do not affect performance parameters and use
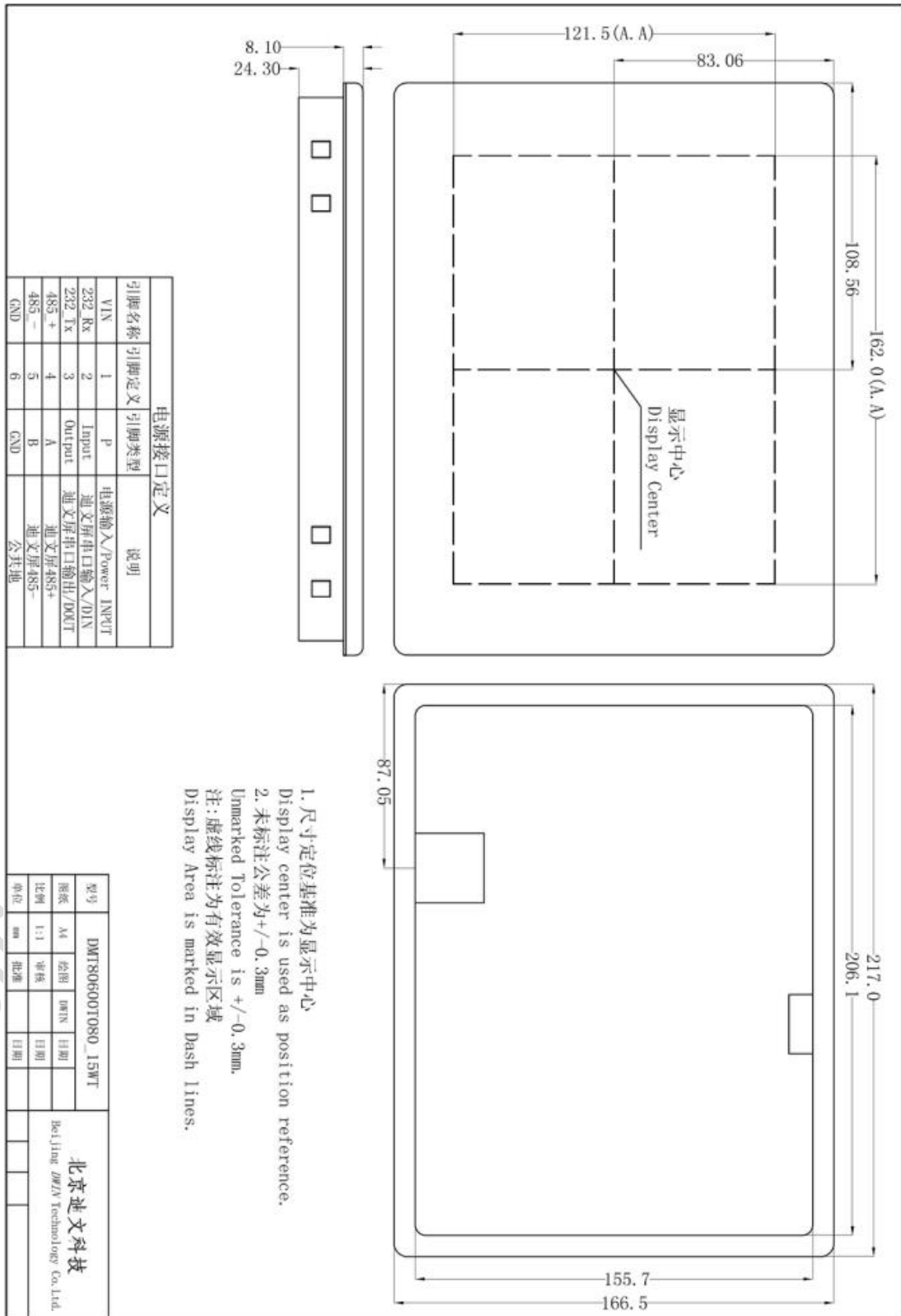
DMT80600T080_15WTguide

Rubber gasket:Used to prevent water from entering the shell.In outdoor use, the glass glue can be added to the waterproof adhesive tape to enhance the waterproof performance.

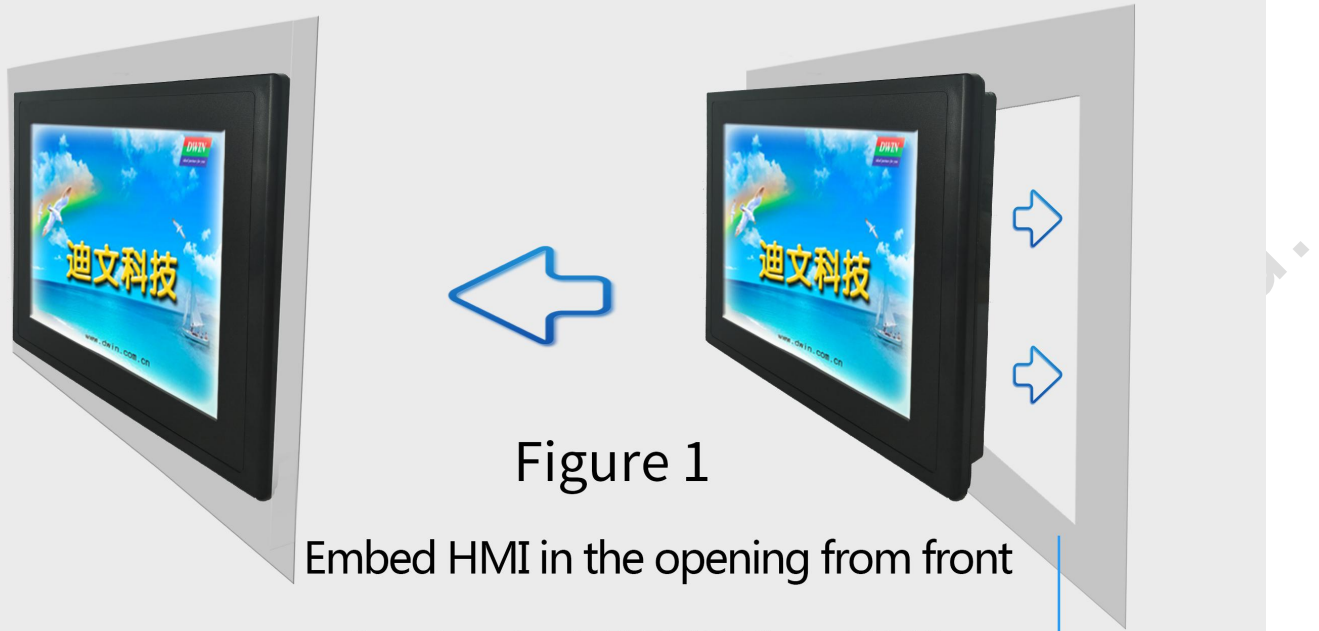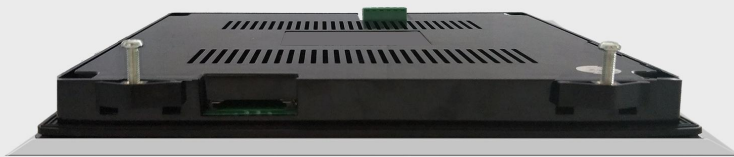# HMI installation guide

Figure 1

Embed HMI in the opening from front

Opening size:156.7*207.2mm(W*H),
Installation depth::15.5-X(waterproof strif thickness)mm
Customer shell thickness:<3.5mm

The mounting holes are marked by the red circles

Figure 2

Place the buckles into the mounting holes as shown above，and pull back to tighten the hook on the shell

Figure 3
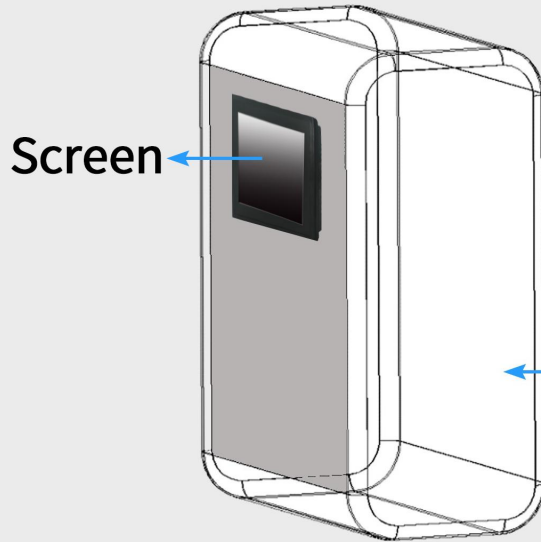
Tighten the screws to fix HMI on the device

Figure 4

Screen

Figure 5

Overall installation diagram

Ovreall unit