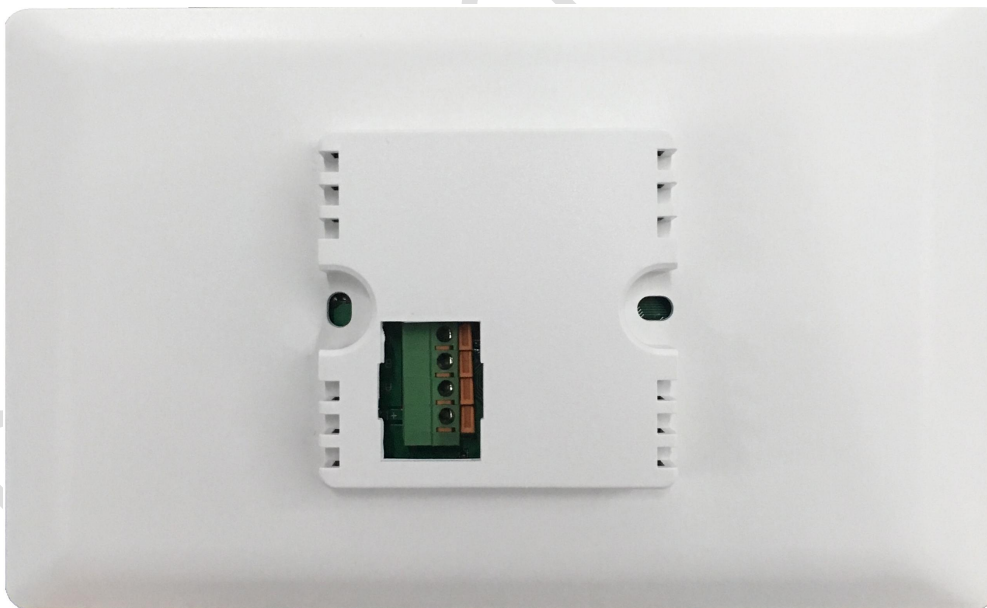


# TC070C22U00

Based on T5L ASIC 7.0 Inches, 1024xRGBx600, 16.7M Colors, IPS screen



## ● Display

Item	Parameter	Description
Color	16.7M colors	24 bit color 8R8G8B
Panel Type	IPS	IPS TFT LCM, wide viewing angle
Viewing Angle	85/85/85/85 (L/R/U/D)	Best View: symmetrical
Active Area (A.A)	153.7mm (W) * 85.2mm (H)	1024*600 Pixels
View Area (V.A.)	154.2mm (W) * 85.9mm (H)	1024*600 Pixels
Resolution	1024x600	90° rotated display (600*1024)
Backlight	LED	-
Brightness	250nit	100 levels adjustment(It's not recommend to set brightness to 1%~30% of the maximum,which may lead a flicker)

Note: You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.

## ● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6.0	12.0	36.0	V
Operation Current	VCC = +12V, Backlight on	-	240	-	mA
	VCC = +12V, Backlight off	-	80	-	mA

## ● Operating Environment

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	60	℃
Storage Temperature	-	-30	25	70	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Paint	-	-	None	-	-
Aging Test	-	-	None	-	H

## ● Interface

Item	Conditions	Min	Typ	Max	Unit
Baud Rate	UART2 (The baud-rate is not altered)	1200	9600	115200	bps
	UART5	1200	9600	115200	bps
(V_AB)	Output 1	2.5	5.0	-	V
	Output 0	-	-5.0	-2.5	V
(V_AB)	Input 1	0	2.5	-	V
	Input 0	-	-2.5	-0.2	V
Interface	RS485 (UART2&UART5 multiplexing)				
Socket	4Pin_5.08mm				
USB Interface	None				
SD Card Slot	YES (Micro SDHC(TF) card /FAT32 Format)				
Speaker Interface	2Pin_2.0mm				

## ● Memory

Item	Typical value	Features	Typ value	Unit	Description
FLASH (TA/DGUS II)	16Mbytes	Space of Font	4-12	Mbytes	A single font of 256Kbytes, store font, icon libraries, and other binary files
		Picture Storage (.ICL file)	12-4	Mbytes	JPEG format (Picture quantity relate to JPEG size, size of a single JPEG image file should not exceed 248 Kbytes)
RAM (DGUS II)	128Kbytes	Variable Storage Space	/	/	Data is not saved when power down
Nor Flash (DGUS II)	512Kbytes	User database	/	/	Data is saved when power down

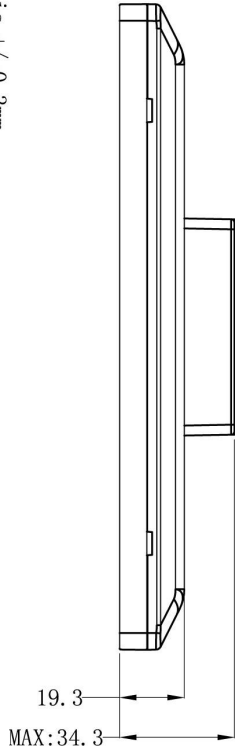
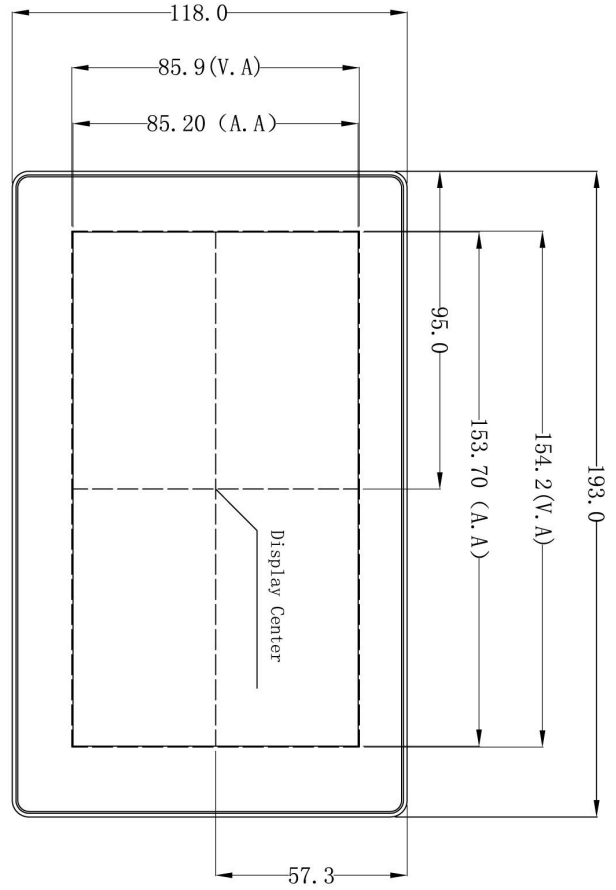
## ● UI & Peripheral

UI & Peripheral	
UI Version	TA / DGUS II ( DGUS II pre-installed )
Peripheral	Capacitance touch screen, Speaker, Built-in RTC

## ● Dimension

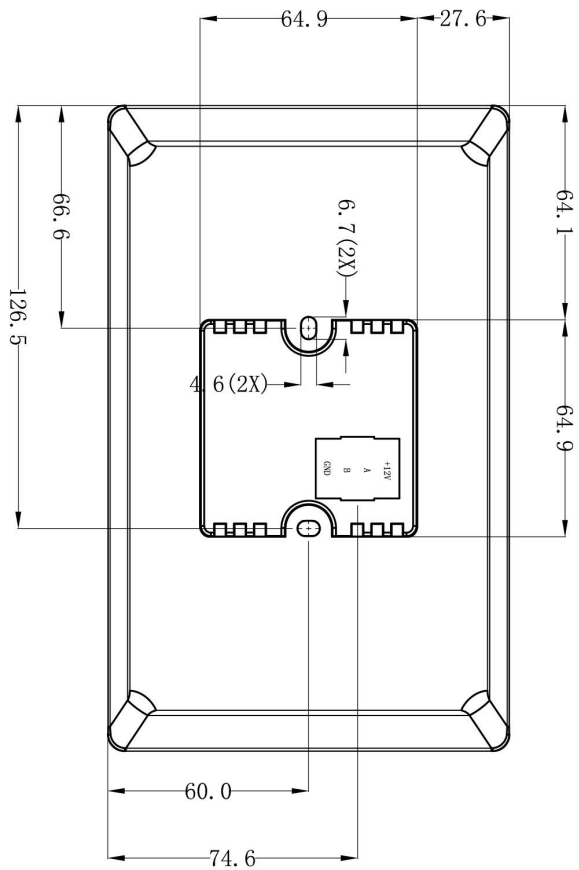
Dimension				
Dimension	193.0(W) *118.0(H) *34.3(T) mm			
Net Weight	415g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)*160mm(W)*47mm (H)	-	-	-
Carton2:	250mm(L)*200mm(W)*80mm (H)	1	2	2
Carton3:	320mm(L)*270mm(W)*80mm (H)	-	-	-
Carton4:	450mm(L)*350mm(W)*300mm(H)	-	-	-
Carton5:	600mm(L)*450mm(W)*300mm(H)	1	30	30

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



Unmarked Tolerance is  $\pm 0.3\text{mm}$   
Active area is marked in Dash Lines

Pin	Definition	Type	Description
+12V	1	P	Power Input
A	2	485+	485+
B	3	485-	485-
GND	4	P	GND



Instruction: The transparent area of touch screen is designed to be smaller than active area(A.A.)of LCD, to prevent the LCD frame from being seen.

Model	TC070C22U00				
Drawing	A 4	Drawn	DWIN	Date	200513
Scale	1:1	Review			
Unit	MM	Approve			
DWIN Technology					



### Record of Revision

Version	Revise Date	Content	Editor
00	2023-02-24	First Edition	YML

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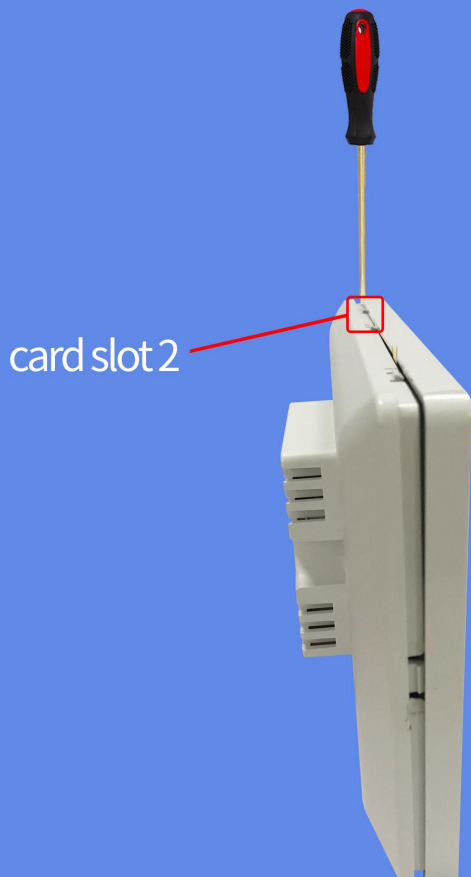
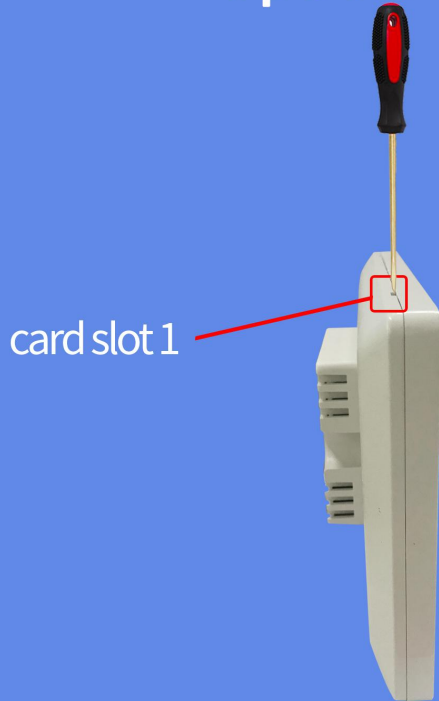
DWIN Developer Forum: <https://forums.dwin-global.com/index.php/forums>

Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!

DWIN Technology

# Assembly Steps

## Split front and rear Cases



1. Force hooks off slots lightly by a screwdriver in turn (fig. 1&2)



fig.3

2. Open the front and rear Cases ( fig.3 )

## Fixed the rear Case

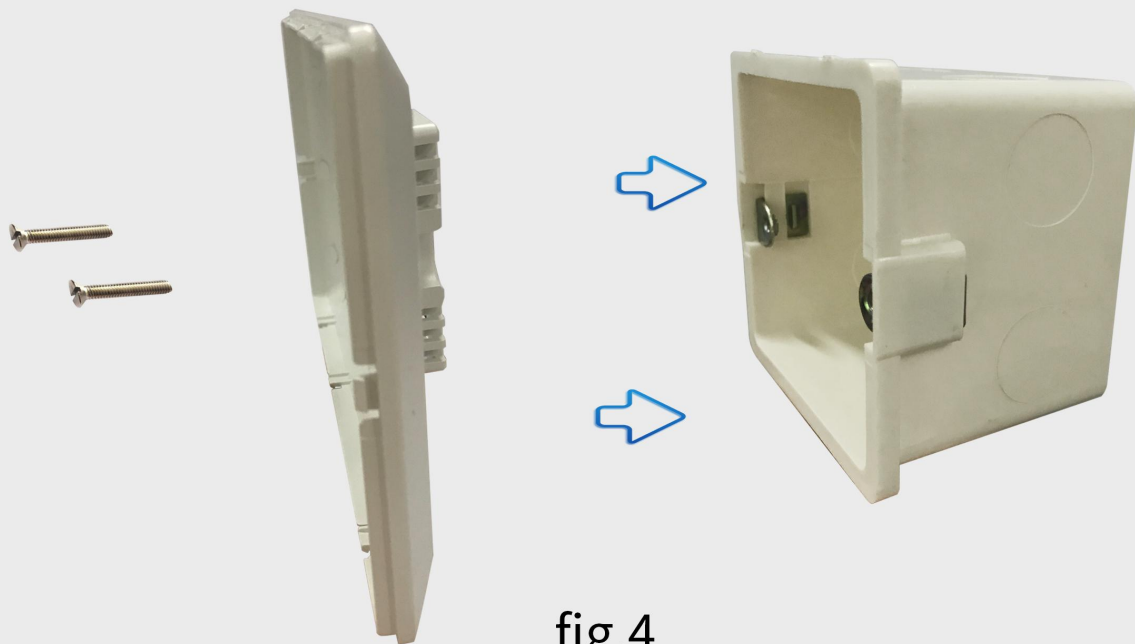


fig.4

Aim the rear Case mounting hole at the pre-bury the box screw column, then load the rear Case into the box and fix it with screws ( fig. 4 )

# Arrange product front and rear Cases



fig.5

1. Aligns the upper side of the front Case and the rear Case ( fig.5 )

 Card slot1, Clasp



fig.6

2. Press the lower side of the front Case by hand and force the hooks into the rear case slots ( fig.6 )



**Complete assembly**

wall 