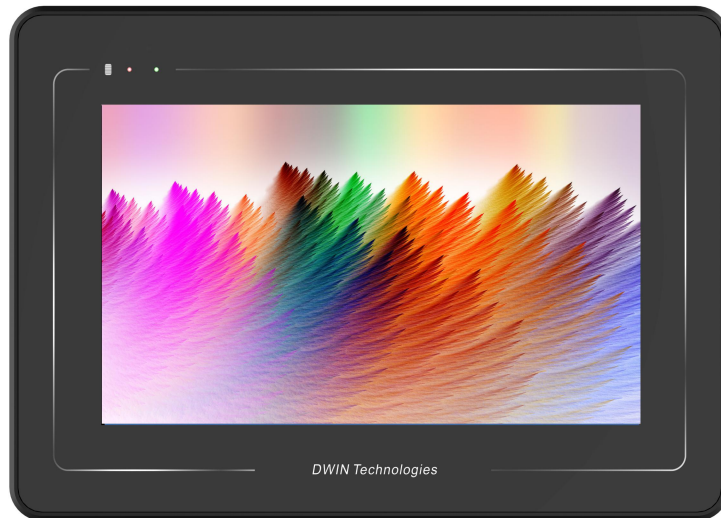


HDW070_A5001L

7.0 Inch, 1024xRGBx600, 16.7M Colors, IPS screen

CTP, HDMI interface display



● Display

Item	Parameter	Description
Color	16.7M(16777216)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.)	154.2mm(W)x85.9mm(H)	1024x600
View Area(V.A)	155.0mm(W)x87.5mm(H)	1024x600
Resolution	1024x600	Support 0°/90°/180°/270°rotated display
Backlight	LED	≥20000H (Continuous working with maximum brightness, time of the brightness decays to 50%)
Brightness	250nit	-

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

● Voltage & Current

Item	Descriptions	
Power Voltage	6~36V, typical value of 12V	
Current parameters	350mA	VCC=6.0V (Minimum starting voltage)
	290mA	VCC=12V (Standard supply voltage)
	130mA	VCC=36V (Maximum supply voltage)

Recommended power supply: 12V 1A DC

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	80	°C
Working Humidity	25°C	10%	60%	90%	RH
ESD	Air discharge ±4KV				
Protective Level	IP65(Front)				

● Interface

Item	Descriptions
Socket	6-36V Power interface,HDMI interface
USB Interface	Yes (Connect USB capacitive touch screen)
SD Card Slot	None

- **Peripheral**

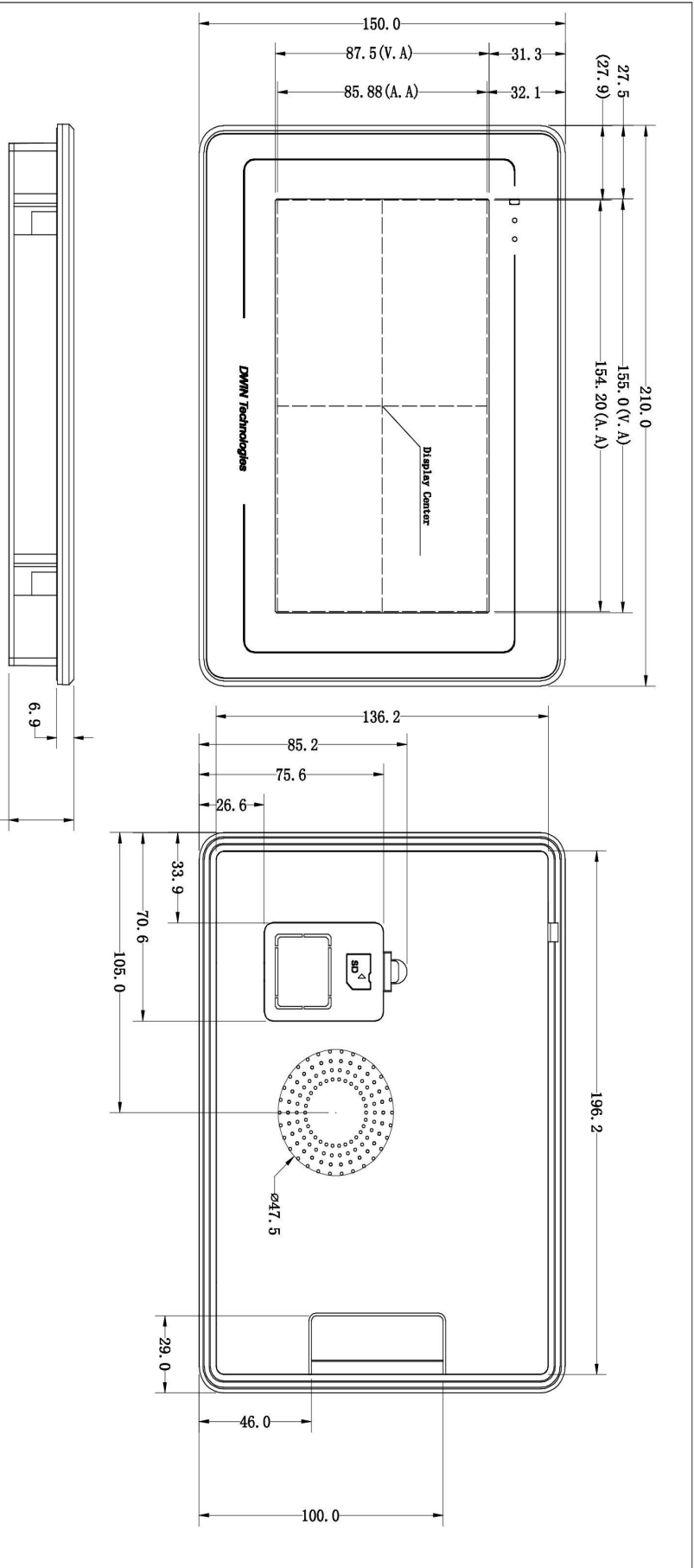
Peripheral	Capacitive touch panel
-------------------	------------------------

- **Packing Capacity & Dimension**

Dimension				
Dimension	210.0(W)x150.0(H)x26.5(T)mm			
Net Weight	520g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)x160mm(W)x47mm (H)	-	-	-
Carton2:	250mm(L)x200mm(W)x80mm (H)	2	1	2
Carton3:	320mm(L)x270mm(W)x80mm (H)	-	-	-
Carton4:	450mm(L)x350mm(W)x300mm(H)	1	16	16
Carton5:	600mm(L)x450mm(W)x300mm(H)	1	30	30

Disclaimer: The product design is subject to alternation and improvement without prior notice.

DWIN Technologies Technical Document



HDMI/Name	HDMI/Description	HDMI/Name	HDMI/Description
Pin1	TMS Data+	Pin11	TMS Clock Shield
Pin2	TMS Data2 Shield	Pin12	TMS Clock-
Pin3	TMS Data-	Pin13	CEC
Pin4	TMS Data1+	Pin14	I2C Data- (Optional, HDMI 1.4 with Ethernet)
Pin5	TMS Data1 Shield	Pin15	SCL (I2C Serial Clock for DDC)
Pin6	TMS Data1-	Pin16	SDA (I2C Serial Data Line for DDC)
Pin7	TMS Data0+	Pin17	DDC/CEC/HDC Ground
Pin8	TMS Data0 Shield	Pin18	+5V Power (max 50mA)
Pin9	TMS Data0-	Pin19	DC Pin Descr (All versions) and I2C Data+ (Optional, HDMI 1.4 with Ethernet)
Pin10	TMS Clock+		

MAX.: 26.9

1. Location hole is used as position reference.
 2. Unmarked Tolerance is +/-0.3mm
- Active area is marked in Dash Lines

Model		HDW070-A5001L		DWIN Technologies	
Drawing	A 4	Drawn	DWIN	Date	220620
Scale	1:1	Review		Date	
Unit	MM	Approval		Date	

Installation Schematic

Waterproof rubber gasket (blue part in the schematic, actually in black): located between screen and shell to prevent water ingress. Additional glass glue is available for outdoor use to strengthen the waterproof performance

1

The opening requirements are shown in the figure.
Depth >21.0mm
Device front housing thickness <3.5mm

Install the screen from the front into the housing openings.

2

Loosen the screw, the snap automatically follows the screw to rotate 90° clockwise.

State before rotation

Lock the 4 screws to fix the product on the housing

State after rotation

3

Clip the back cover of the housing

Installation completed

The final effect

Record of Revision

Ver	Revise Date	Content	Editor
00	2022-12-5	First Edition	Kaya
01	2023-06-02	Update picture	Kaya

Disclaimer: The product design is subject to alternation and improvement without prior notice.

Please contact us if you have any questions about the use of this document or our products, or if you would like to know the latest information about our products:

- Customer service Tel: +86 400 018 9008
- Customer service email: dwinhmi@dwin.com.cn
- DWIN Developer Forum: <https://forums.dwin-global.com/>

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

DWIN Technologies Technical Document