

HDW101_A5001L

10.1 Inch, 1024*RGB*600, 16.7M Colors, IPS screen

Capacitive Touch, HDMI interface display



Record of Revision

Ver	Revise Date	Content	Editor
00	2022-12-07	First edition	Kaya
01	2023-12-26	ESD solution upgraded	YML

● 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.)	222.70(W)*125.30(H)	1024*600
View Area (V.A.)	222.70(W)*125.30(H)	1024*600
Resolution	1024*600	Support 0°/90°/180°/270°rotated display
Backlight	LED	≥20000H (Continuous working with maximum brightness, time of the brightness decays to 50%)
Brightness	450nit	-

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	7~36V, typical value of 12V	
Current Parameters	810mA	VCC=7V (Minimum starting voltage)
	460mA	VCC=12V (Standard supply voltage)
	190mA	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	℃
Storage Temperature	-	-30	25	80	℃
Working Humidity	25℃	10%	60%	90%	RH
Protective Level	IP65(Front)				
ESD	Contact discharge: ±6KV; Air discharge: ±8K				

● Interface

Item	Descriptions
Socket	Power interface, HDMI interface
USB Interface	Yes (Connect USB Capacitive touch screen)
SD Card Slot	None

- **Peripheral**

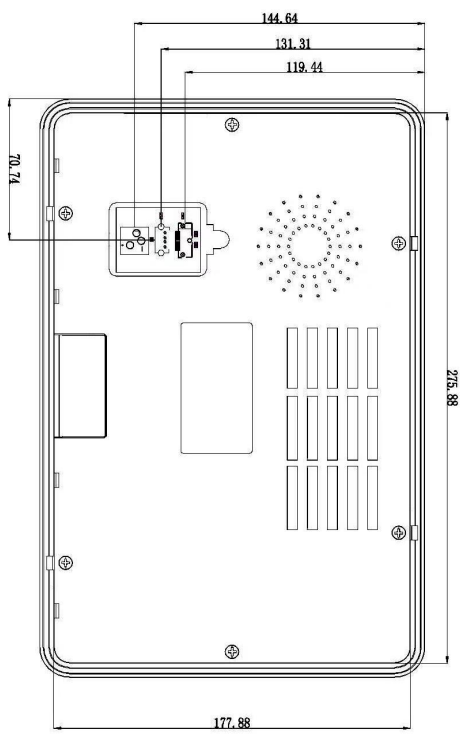
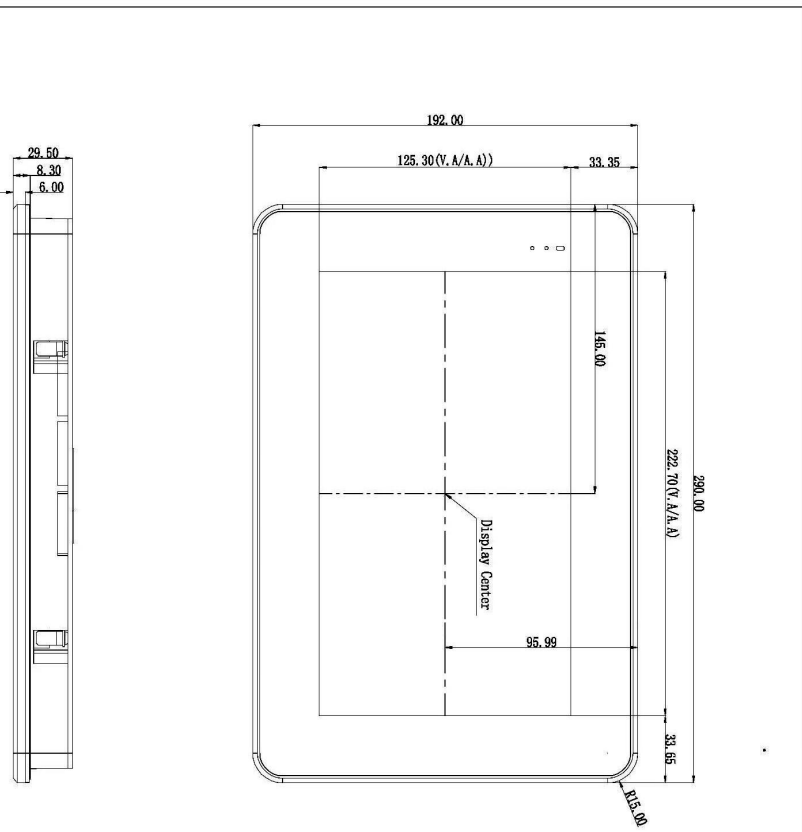
Peripheral	Capacitive touch panel
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- **Packing Capacity & Dimension**

Dimension				
Dimension	290.0(W)*192.0(H)*29.5(T)mm			
Net Weight	1070g			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)*160mm(W)*47mm (H)	-	-	-
Carton2:	250mm(L)*200mm(W)*80mm (H)	-	-	-
Carton3:	320mm(L)*270mm(W)*80mm (H)	1	1	1
Carton4:	450mm(L)*350mm(W)*300mm(H)	1	5	5
Carton5:	600mm(L)*450mm(W)*300mm(H)	1	8	8

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

DWIN Technologies Technical Document



HDML/Name	HDML/Description	HDML/Name	HDML/Description
Pin1	TMS Data2+	Pin1	TMS Clock Shield
Pin2	TMS Data2 Shield	Pin2	TMS Clock-
Pin3	TMS Data2-	Pin3	CEC
Pin4	TMS Data1+	Pin4	HDC Data- (Optional, HDML 1.4 with Ethernet)
Pin5	TMS Data1 Shield	Pin5	SC (I2C Serial Clock for DDC)
Pin6	TMS Data1-	Pin6	SDA (I2C Serial Data Line for DDC)
Pin7	TMS Data0+	Pin7	DDC/CEC/HDC Ground
Pin8	TMS Data0 Shield	Pin8	+5V Power (max 50mA)
Pin9	TMS Data0-	Pin9	Hot Plug Detect (All versions) and HDC Data+ (Optional, HDML 4 with Ethernet)
Pin10	TMS Clock+		

Model	HDW101-A5001L		
Drawing	A 4	Drawn	G. Y
Scale	1:1	Review	
Unit	MM	Approval	
		Date	2022.04.21
DWIN Technologies			

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