

# HDW080\_A5001L

**8.0 Inch, 1024xRGBx768, 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.)	162.1mm(W)x121.5mm(H)	1024x768
Resolution	1024x768	-
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	DC 12V	
Current parameters	550mA	VCC=9V (Minimum starting voltage)
	410mA	VCC=12V (Standard supply voltage)
	160mA	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
ESD	Air discharge ±8KV				
Protective Level	IP65(Front)				

## ● Interface

Item	Conditions	Min	Typ	Max	Unit
Socket	Power interface, HDMI interface, USB interface				
USB Interface	Yes (Connect to the host, Implement touch control)				
SD Card Slot	None				

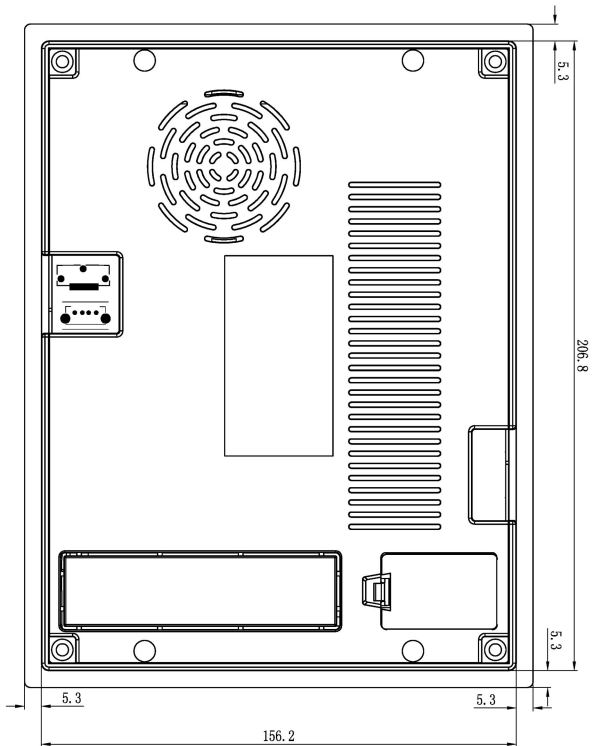
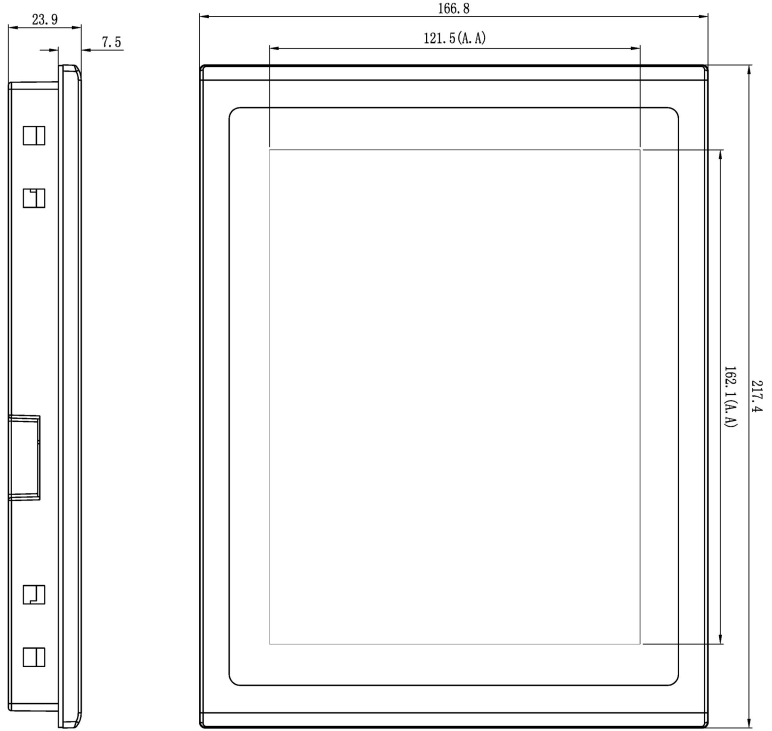
- **Peripheral**

<b>Peripheral</b>	Capacitive touch panel
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- **Packing Capacity & Dimension**

Dimension				
<b>Dimension</b>	217.4(W)x166.8(H)x23.9(T)mm			
<b>Net Weight</b>	610g			
Packing Capacity				
<b>Model</b>	<b>Size</b>	<b>Layer</b>	<b>Quantity/Layer</b>	<b>Quantity(Pcs)</b>
<b>Carton1:</b>	220mm(L)x160mm(W)x47mm (H)	-	-	-
<b>Carton2:</b>	250mm(L)x200mm(W)x80mm (H)	2	1	2
<b>Carton3:</b>	320mm(L)x270mm(W)x80mm (H)	-	-	-
<b>Carton4:</b>	450mm(L)x350mm(W)x300mm(H)	1	16	16
<b>Carton5:</b>	600mm(L)x450mm(W)x300mm(H)	1	30	30

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



IBM Part name	IBM Part Description	IBM Part name	IBM Part Description
Part1	TNDS Data2-	Part11	TNDS Clock Shield
Part2	TNDS Data0 Shield	Part12	TNDS Clock-
Part3	TNDS Data2-	Part13	CEC
Part4	TNDS Data1+	Part14	HEC Data- (Optional, IBM1.4 width Ethernet)
Part5	TNDS Data0 Shield	Part15	SCL/CEC Serial Data Line for HD2
Part6	TNDS Data1-	Part16	SMA (CEC Serial Data Line for HD2)
Part7	TNDS Data0+	Part17	IOC/CEC/HEC Ground
Part8	TNDS Data0 Shield	Part18	+5V Power (max 50mA)
Part9	TNDS Data0-	Part19	Hot Plug Bracket (All versions) and HEC Data+ (Optional, IBM1.4 width Ethernet)
Part10	TNDS Clock+		

Model	HDW080-A5001L		
Drawing	A 4	Drawn	Date
Scale	1:1	Review	Date
Unit	MM	Approval	Date
<b>DWIN Technologies</b>			

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

**Revision records**

<b>Rev</b>	<b>Revise Date</b>	<b>Content</b>	<b>Editor</b>
00	2023-04-23	First Edition	Kaya

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- 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!