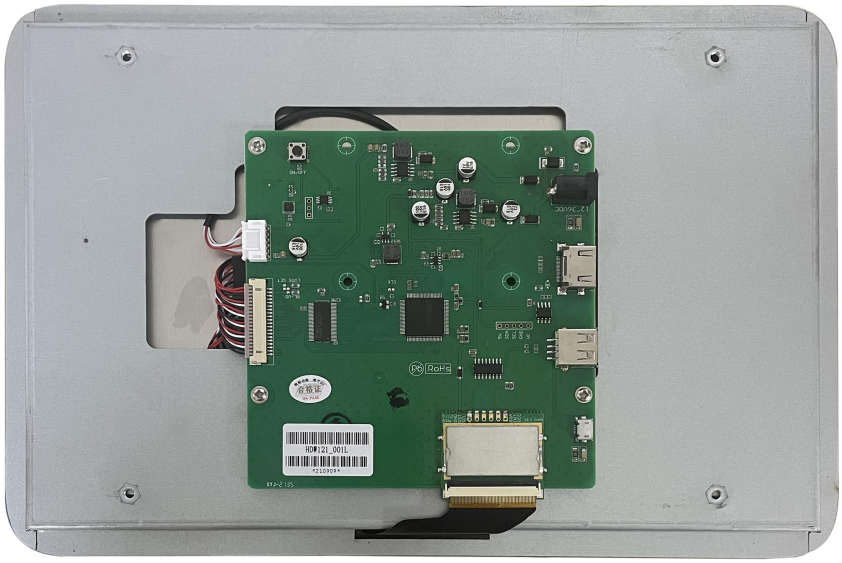
HDW121_001L

12.1 Inch, 1280xRGBx800, 16.7M Colors, TN screen, CTP



Record of Revision

Ver	Revise Date	Content	Editor
00	2022-12-22	First Edition	Kaya

Display

Item	Parameter	Description
Color	16.7M(16777216)colors	24 bit color 8R8G8B
Panel Type	TN	TN TFT LCM,normal viewing angle
Viewing Angle	70/70/50/70(L/R/U/D)	-
Active Area (A.A.)	261.12mm(W)x163.20mm(H)	1280×800
View Area (V.A.)	262.7mm(W)x164.8mm(H)	1280×800
Resolution	1280×800	Support 0°/90°/180°/270°rotated display
Backlight	LED	≥30000H (Continuous working with maximum brightness,time of the brightness decays to 50%)
Brightness	300nit	-
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	-	12.0	12.0	36.0	V
Operation Current	VCC = +12V Backlight on		660		mA
	VCC = +12V Backlight off		-		
Recommended power supply: 12V 1A DC					

Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 12V voltage	-30	25	80	℃
Storage Temperature	-	-30	25	80	℃
Working Humidity	25℃	10%	60%	90%	RH

Interface

Item	Description
Socket	Power interface, HDMI interface
USB Interface	Yes
SD Card Slot	None

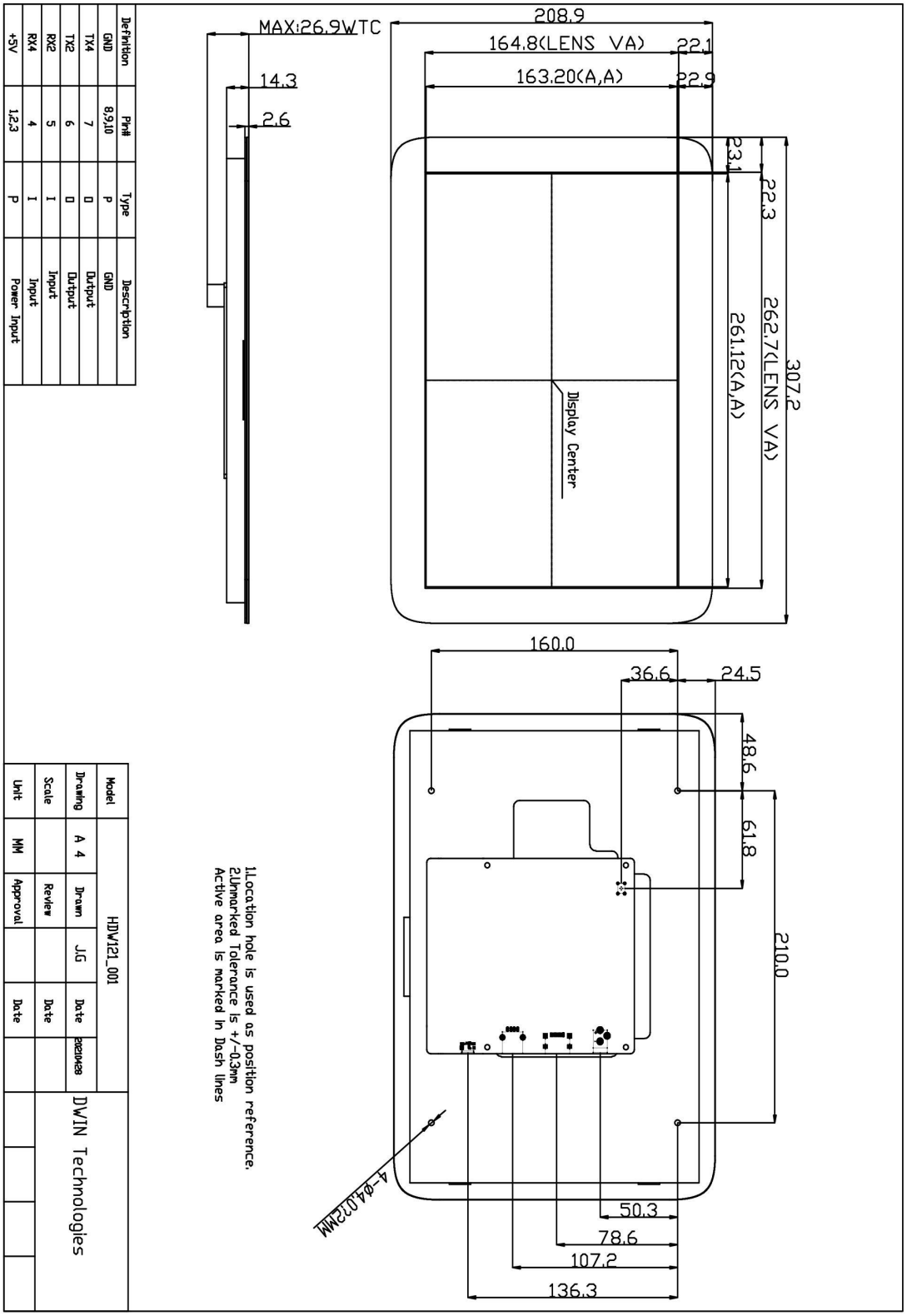
Peripheral

Peripheral	Capacitive touch panel

Packing Capacity & Dimension

Dimension				
Dimension	307.2(W)x208.9(H)x26.9(T)mm			
Net Weight	1654g			
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)	2	1	2
Carton4：	450mm(L)×350mm(W)×300mm(H)	1	10	10
Carton5：	600mm(L)×450mm(W)×300mm(H)	1	16	16

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


Definition
Pin#
Type
Description
+5V
1,2,3
P
Power Input
RX4
4
I
Input
RX2
5
I
Input
TX2
6
O
Output
TX4
7
O
Output
GND
8,9,10
P
GND
MAX:26.9WTC
14.3
2.6
208.9
164.8(LENS VA)
163.20(A,A)
22.1
22.9
23.1
22.3
261.12(A,A)
262.7(LENS VA)
307.2
Display Center
160.0
36.6
24.5
48.6
61.8
210.0
4-Φ4.0?2MM
50.3
78.6
107.2
136.3
1.Location hole is used as position reference.
2.Unmarked Tolerance is +/-0.3mm
Active area is marked in Dash lines
Model
HDW121_001
Drawing
A 4
Scale
Unit
MM
Drawn
JG
Review
Approval
Date
Date
Date
Remarks
DWIN Technologies