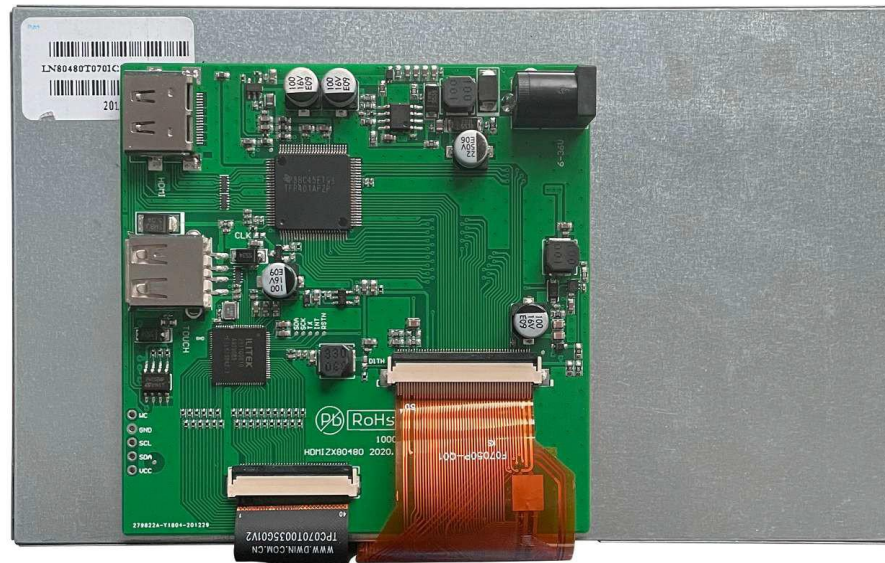


HDW070_008L

7 Inch, 800×RGB×480, 16.7M Colors, TN screen

CTP, HDMI interface display



Record of Revision

Ver	Revise Date	Content	Editor
00	2022-12-16	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.)	154.08mm(W) ×85.92mm(H)	800x480
View Area (V.A.)	154.08mm(W) ×85.92mm(H)	800x480
Resolution	800x480	Support 0°/90°/180°/270°rotated display
Backlight	LED	≥30000H(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	Conditions	Min	Typ	Max	Unit
Power Voltage	-	6	12	36	V
Working Current	-	-	-	-	-

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

● Interface

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

● Peripheral

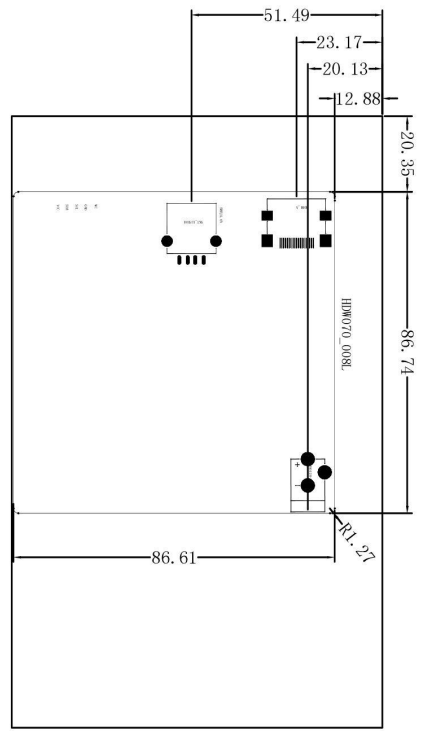
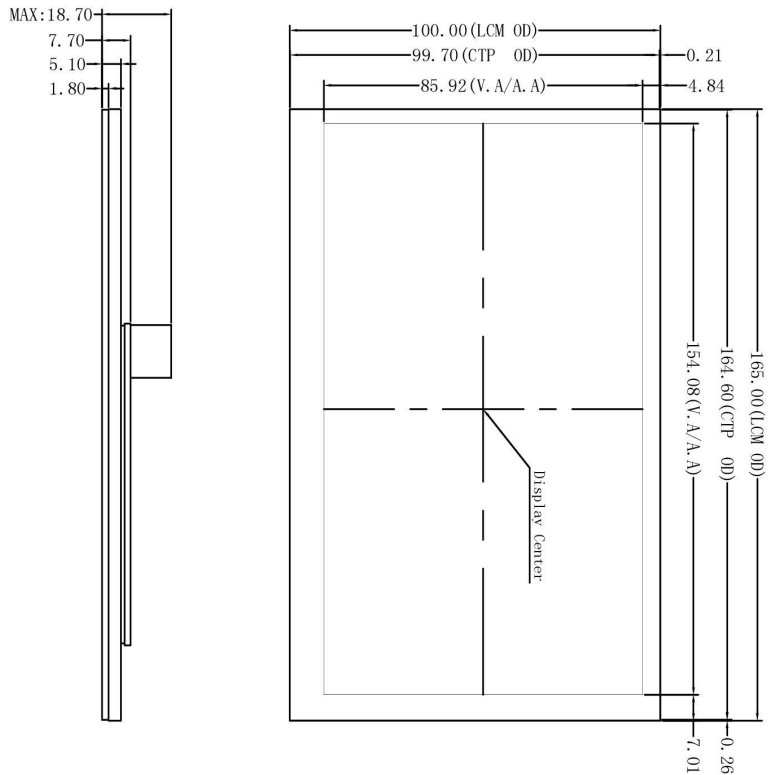
Peripheral	Capacitive touch panel
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● **Packing Capacity & Dimension**

Dimension				
Dimension	165.0(W)×100.0(H)×18.7(T)mm			
Net Weight	-			
Packing Capacity				
Model	Size	Layer	Quantity/Layer	Quantity(Pcs)
Carton1:	220mm(L)×160mm(W)×47mm (H)	-	-	-
Carton2:	250mm(L)×200mm(W)×80mm (H)	2	1	2
Carton3:	320mm(L)×270mm(W)×80mm (H)	2	2	4
Carton4:	450mm(L)×350mm(W)×300mm(H)	1	20	20
Carton5:	600mm(L)×450mm(W)×300mm(H)	1	34	34

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

DWIN Technologies Technical Document



HDMI Name	Description	HDMI Name	HDMI Description
Pin1	TMS Data2	Pin1	TMS Clock Shield
Pin2	TMS Data2 Shield	Pin2	TMS Clock-
Pin3	TMS Data-	Pin3	CE
Pin4	TMS Data+	Pin4	HFC Data- (Optional, HDMI 1.4+with Ethernet)
Pin5	TMS Data2 Shield	Pin5	SC (12C Serial Clock for HDC)
Pin6	TMS Data1-	Pin6	SD (12C Serial Data Line for HDC)
Pin7	TMS Data+	Pin7	DDC/CE/HFC Ground
Pin8	TMS Data0 Shield	Pin8	+5V Power (max 50mA)
Pin9	TMS Data-	Pin9	HFC Plug Detect (All versions) and HFC Data (Optional, HDMI 4+with Ethernet)
Pin10	TMS Clock+		

Model		HDW070-008L		DWIN Technologies	
Drawing	A 4	Drawn	G. Y	Date	2021.05.17
Scale	1:1	Review		Date	
Unit	MM	Approval		Date	

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