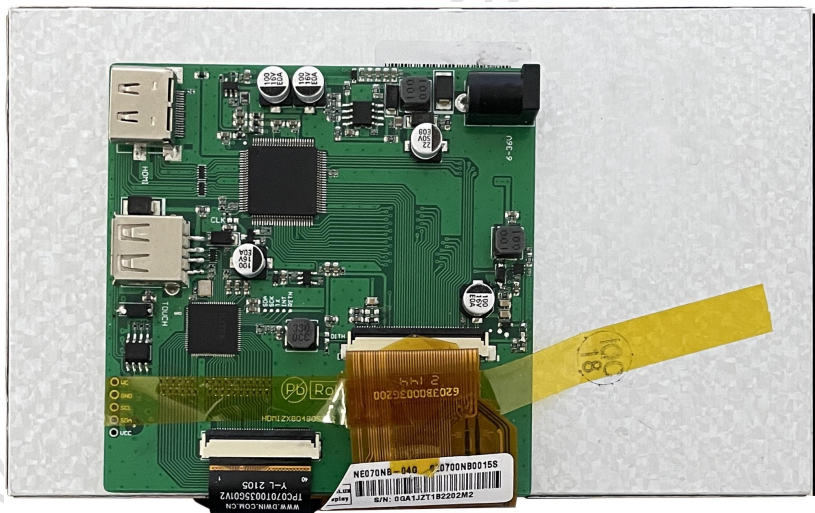


HDW070_008LZ02

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

Capacitive Touch, 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.)	154.08mm(W)x85.92mm(H)	1024x600
View Area (V.A.)	154.08mm(W)x85.92mm(H)	1024x600
Resolution	1024*600	-
Backlight	LED	≥20000H (Continuous working with maximum brightness, time of the brightness decays to 50%)
Brightness	600nit	-
Note:You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.		

● Voltage & Current

Item	Description	
Power Voltage	9~36V, typical value of 12V	
Current parameters	330mA	VCC=12V (Standard 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

● Interface

Item	Description
Socket	Power interface, HDMI interface
USB Interface	Yes

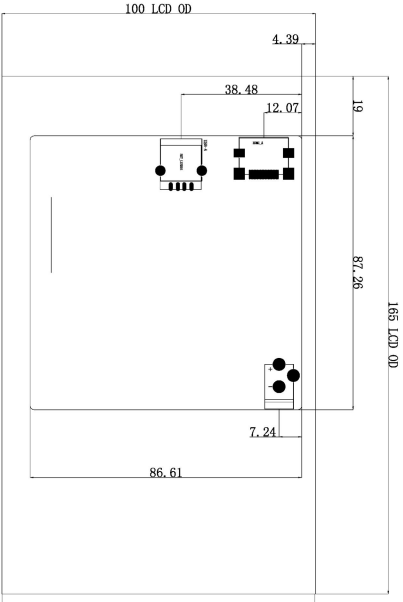
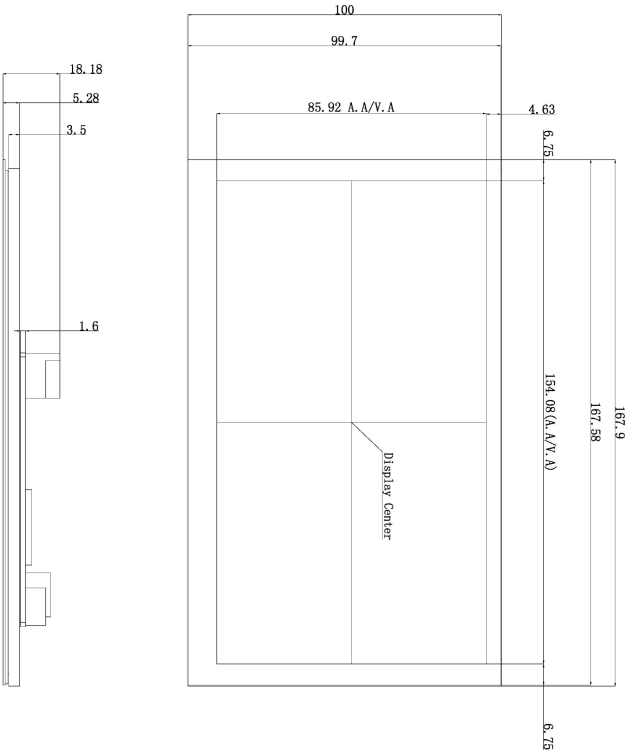
● Peripheral

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

- **Packing Capacity & Dimension**

Dimension	
Dimension	167.90(W)×100.00(H)×18.18(T)mm
Net Weight	200g

DWIN Technologies Technical Document



HDMI Name	HDMI Description	HDMI Name	HDMI Description
Pin1	TMDS Data2+	Pin11	TMDS Clock Shield
Pin2	TMDS Data2 Shield	Pin12	TMDS Clock-
Pin3	TMDS Data2-	Pin13	CEC
Pin4	TMDS Data1+	Pin14	HEC Data-(Optional, HDMI 1.4with Ethernet)
Pin5	TMDS Data1 Shield	Pin15	SCL (I2C Serial Clock for DDC)
Pin6	TMDS Data1-	Pin16	SDA (I2C Serial Data Line for DDC)
Pin7	TMDS Data0+	Pin17	DDC/CEC/HEC Ground
Pin8	TMDS Data0 Shield	Pin18	+5V Power(max 50mA)
Pin9	TMDS Data0-	Pin19	Hot Plug Detect(ALL version)and HEC Data+(Optional, HDMI1.4with Ethernet)
Pin10	TMDS Clock+		

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

Model	HDW070_008LZ02				DWIN Technology			
Drawing	A 4	Drawn	DWIN	Date				
Scale	1 : 1	Review		Date				
Unit	MM	Approval		Date				

Record records

Ver	Revise Date	Content	Editor
00	2022-12-16	First Edition	Kaya
01	2025-01-21	Modify Voltage	Chen
02	2025-10-10	Modify Drawing	Chen
03	2025-10-16	Update Picture	Chen

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 E-mail: dwinhmi@dwin.com.cn

Website: www.dwin-global.com

DWIN Developer Forum: <https://forums.dwin-global.com/index.php/forums>

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

Important Disclaimer

DWIN reserves the right to make any changes to product designs without prior notice.

Customers should ensure strictly adhering to all the relevant standards and requirements during the product application process, including but not limited to functional safety, information security, and regulatory provisions.

DWIN shall not bear any joint and several liability for any consequences that may arise from customers' adoption of DWIN products. In particular, for risks that may lead to significant property losses, environmental hazards, personal injury, or even death, especially in high-risk application areas such as military applications, flammable and explosive places, and life-saving medical equipment, customers should independently assess the risks and take corresponding preventive and protective measures. DWIN shall not bear any relevant responsibility.