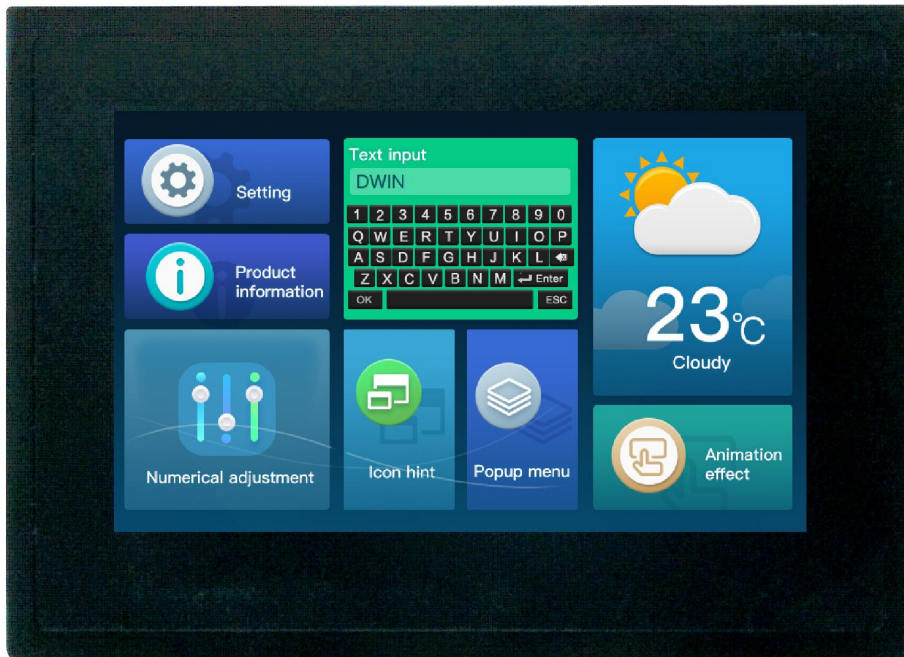


HDW070_003L

**7.0-inch, 800*480, 65K colors,
RTP, LVDS multimedia display**



● Display

Item	Parameter	Description
Color	65K(65536)	16bit color 5R6G5B
Active Area (A.A.)	154.1mm(W)×85.9mm(H)	800x480
Resolution	800x480	-
Backlight	LED	-
Brightness	600nit	-

Note: Displaying of high-contrast still images for more than 30 minutes may result in residual images. Please add screen saver to avoid this problem..

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	5	12	15	V
Working Current	VCC= +5V, Backlight max	-	760	-	mA
	VCC= +5V, Backlight off	-	140	-	mA

Recommended power supply: 5V 1A DC

● Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-20	25	70	℃
Storage Temperature	-	-30	25	85	℃
Working Humidity	25℃	10%	60%	90%	RH
Conformal Coating	-	-	Y	-	-

● Peripheral

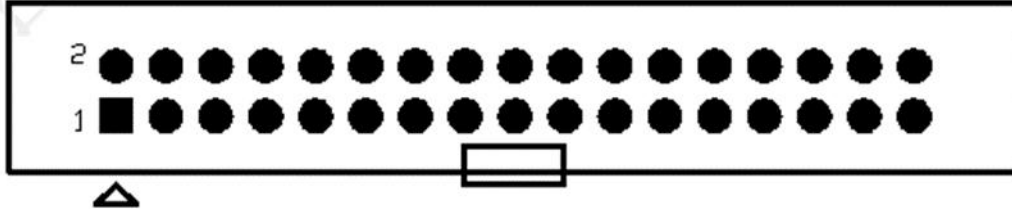
Peripheral	4 Wires resistive touch screen
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● Installation

Properties	Description
Enclosure Material	Reinforcing material
Enclosure Color	Black
Hole Size	210.4(mm)×149.9(mm)×23.9(mm)
Installation Depth	20.85(mm) (maximum depth when connecting the connector)
Accessories	Waterproof rubber washers and buckles

Interface

Item	Description
Interface	LVDS(VDD = +5.0V as default, 3.3V optional)
User interface	34 pin connector


34PIN connector

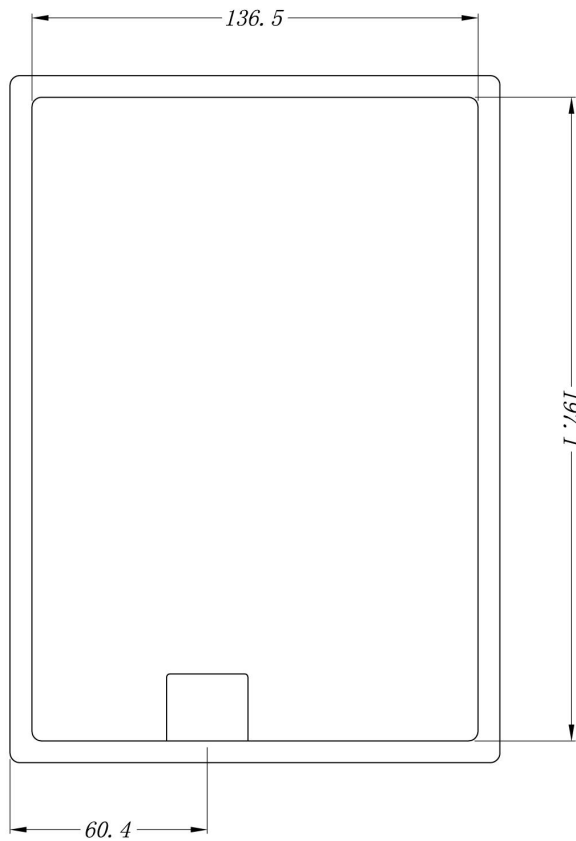
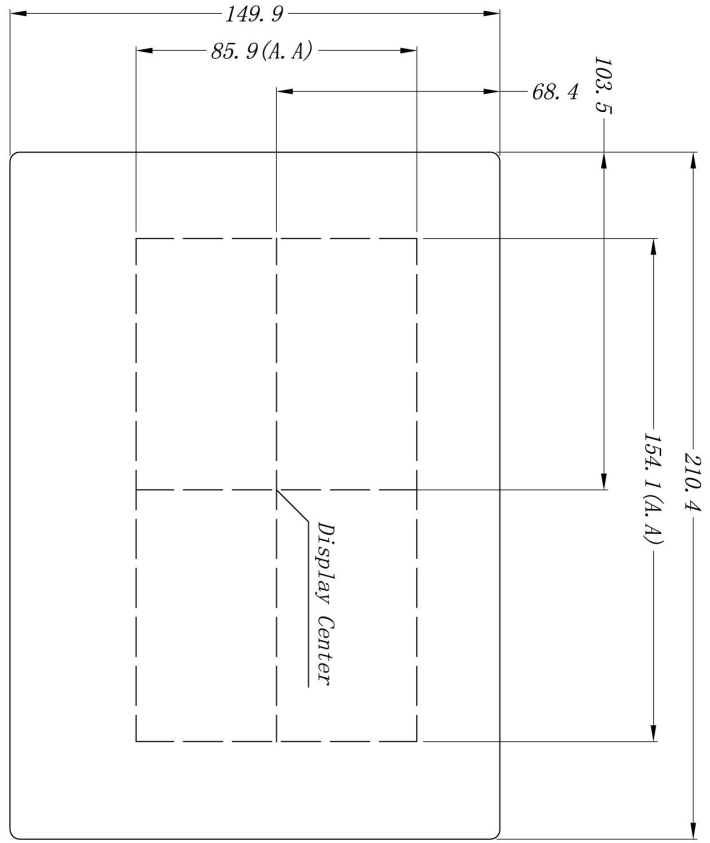
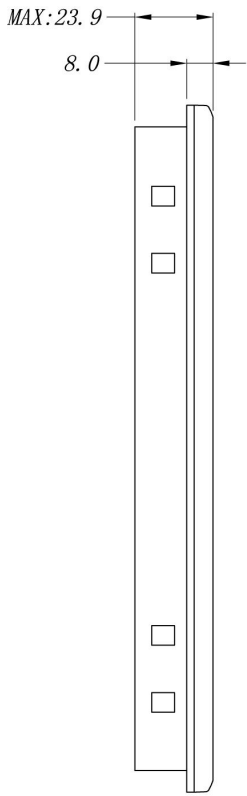
Pin	Name	Function	Pin	Name	Function
1	VCC5	+5V/+3.3V Power input	18	RXIN3+	+LVDS Differential data Input
2	VCC5	+5V/+3.3V Power input	19	NC	Not connect
3	GND	Ground	20	NC	Not connect
4	GND	Ground	21	TS_XP	Touch screen signal
5	RXIN0-	-LVDS Differential data Input	22	TS_XM	Touch screen signal
6	RXIN0+	+LVDS Differential data Input	23	TS_YP	Touch screen signal
7	GND	Ground	24	TS_YM	Touch screen signal
8	RXIN1-	-LVDS Differential data Input	25	LCD_CTR	PWM Input control
9	RXIN1+	+LVDS Differential data Input	26	GND	Ground
10	GND	Ground	27	NC	Not connect
11	RXIN2-	-LVDS Differential data Input	28	NC	Not connect
12	RXIN2+	+LVDS Differential data Input	29	NC	Not connect
13	GND	Ground	30	NC	Not connect
14	RXCLKIN-	-LVDS Differential clock Input	31	VLCD	+5V~+12V Power input
15	RXCLKIN+	+LVDS Differential clock Input	32	VLCD	+5V~+12V Power input
16	GND	Ground	33	GND	Ground
17	RXIN3-	-LVDS Differential data Input	34	GND	Ground

Note: Interface timing refers to the corresponding LCD timing parameters. Please contact DWIN salesman for



confirmation.

DWIN Technologies Technical Document



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

Model	HDW070_003L				Beijing DWIN Technology Co. Ltd			
Drawing	A 4	Drawn	DWIN	Date				
Scale		Review		Date				
Unit	MM	Approva		Date				

Revision Records

Rev.	Revise date	Content	Editor
00	2023-07-19	First Edition	Kaya
01	2025-02-21	Modify Brightness Value	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:

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

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