HDW070_002L

7.0-inch, 800*480, 65K colors,

Resistive Touch, LVDS Multimedia Display

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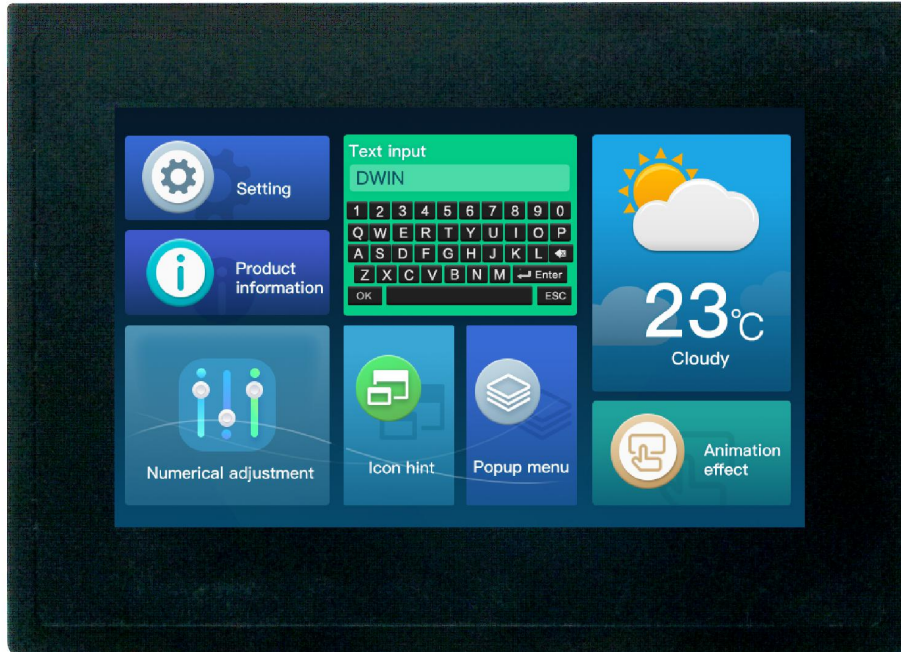
● **Display Parameters**

Properties	Parameters	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Active area (A.A.)	154.1 mm (W) *85.9 mm (H)	800*480 pixel
Resolution	800*480 pixel	
Backlight	LED	-
Brightness	900nit	When the brightness is adjusted to 1% to 30% of the maximum brightness, flickering may occur, and it is not recommended to use in this range
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	Typical	Max	Unit
Power voltage	-	3.6	5.0	6.0	V
Operating current	VCC = +5V, Backlight on	-	760	-	mA
	VCC = +5V, Backlight off	-	140	-	mA
Recommended power supply: 5V 1A DC					

● **Reliability Test**

Item	Conditions	Min	Typical	Max	Unit
Operating temperature	60%RH at 5V voltage	-20	25	70	℃
Storage temperature	-	-30	25	85	℃
Operating humidity	25℃	10%	60%	90%	RH
Conformal coating	-	-	None	-	-

● **Peripheral**

Peripheral	
Peripheral	4 Resistive touch screen

● **Installation**

| Properties	Description
Enclosure material	ABS engineering material
Enclosure color	Black
Dimension	209.40(mm)*149.2(mm)*23.90(mm)
Hole size	197.30(mm)*137.0(mm)
Installation depth	20.85 (mm) (maximum depth when connecting the connector)
Net weight	500 g
Accessories	Waterproof rubber washers and buckles

● **Packaging**

Model	Dimensions	Quantity(Pcs)
Carton3:	320mm(L)*270mm(W)*80mm (H)	2
Carton4:	450mm(L)*350mm(W)*300mm(H)	16
Carton5:	600mm(L)*450mm(W)*300mm(H)	30

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

● **Interface Parameters**

Properties	Conditions
Interface cable	LVDS(VDD=+5.0V)
User interface	DVI-I

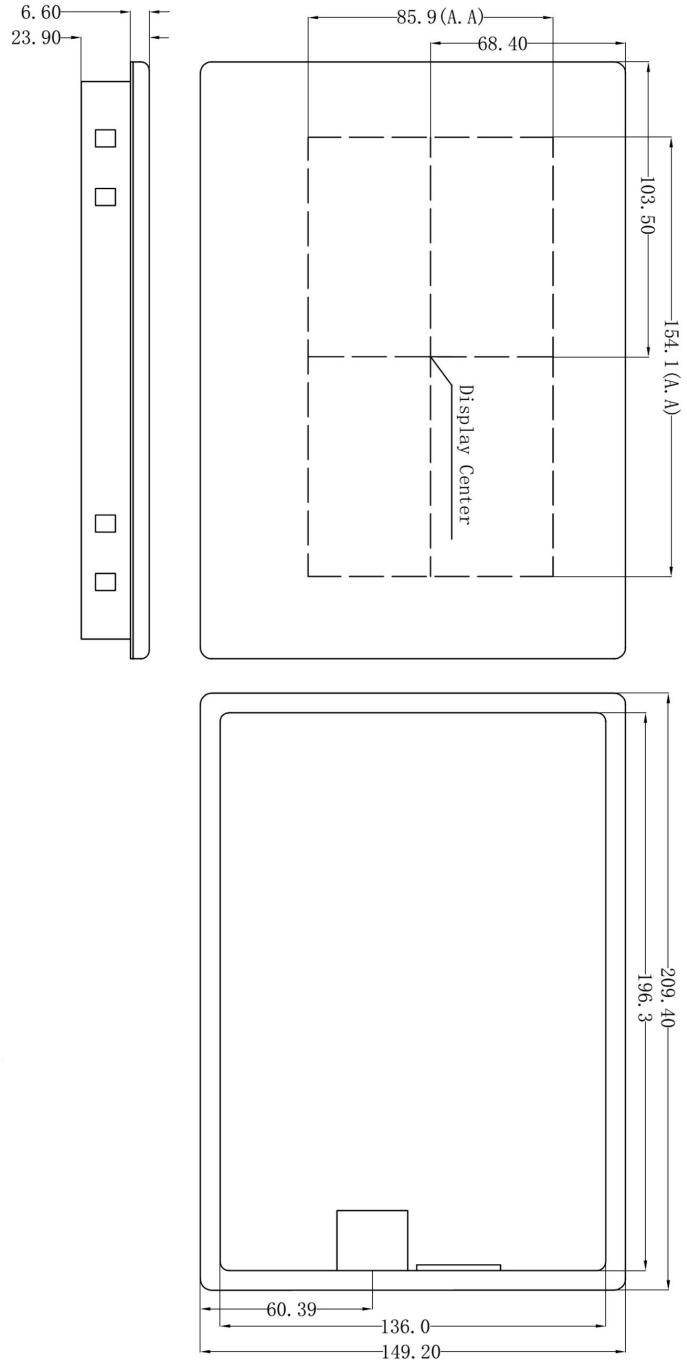**DVI-I interface**
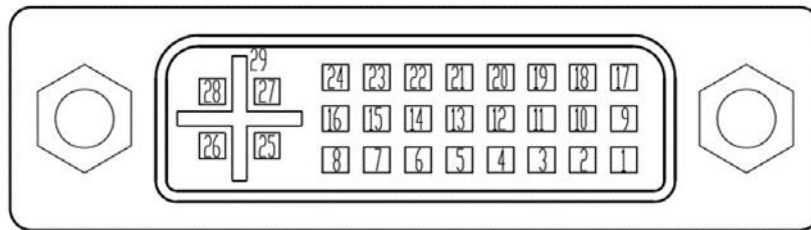
Pin	Name	Function	Description
1	RX2-	Input	-LVDS Differential data Input input
2	RX2+	Input	+ LVDS Differential data Input
3	GND	Power	GND
4	BL_PWM	Input	Backlight dimming control, PWM is used to adjust brightness output.
5	NC	-	NC
6	VDD	Power	5.0V Power Input
7	VDD	Power	5.0V Power Input
8	VDD	Power	5.0V Power Input
9	RX1-	Input	- LVDS Differential data Input
10	RX1+	Input	+LVDS Differential data Input
11	GND	Power	GND
12	RX3-	Input	-LVDS Differential data Input
13	RX3+	Input	+LVDS Differential data Input
14	VDD	Power	5.0V Power Input
15	GND	Power	GND
16	GND	Power	GND
17	RX0-	Input	- LVDS Differential data Input
18	RX0+	Input	+ LVDS Differential data Input
19	GND	Power	GND
20	USB_DM	I/O	USB D- signal
21	USB_DP	I/O	USB D+ signal
22	GND	Power	GND
23	RXCLK+	Input	Clock + LVDS Differential data Input
24	RXCLK-	Input	Clock - LVDS Differential data Input
25	VDD	Power	5.0V Power Input

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26	VDD	Power	5.0V Power Input
27	NC	-	NC
28	NC	-	NC
29	GND	Power	GND

Interface Timing refers to the corresponding LCD Timing parameters. Please confirm the relevant LCD screen information with the DWIN salesperson.

● **Revision Records**

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Version	Revise date	Content	Editor
00	2023-7-18	First Edition	Kaya
01	2024-4-12	Add Important Disclaimer	YML

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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!

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