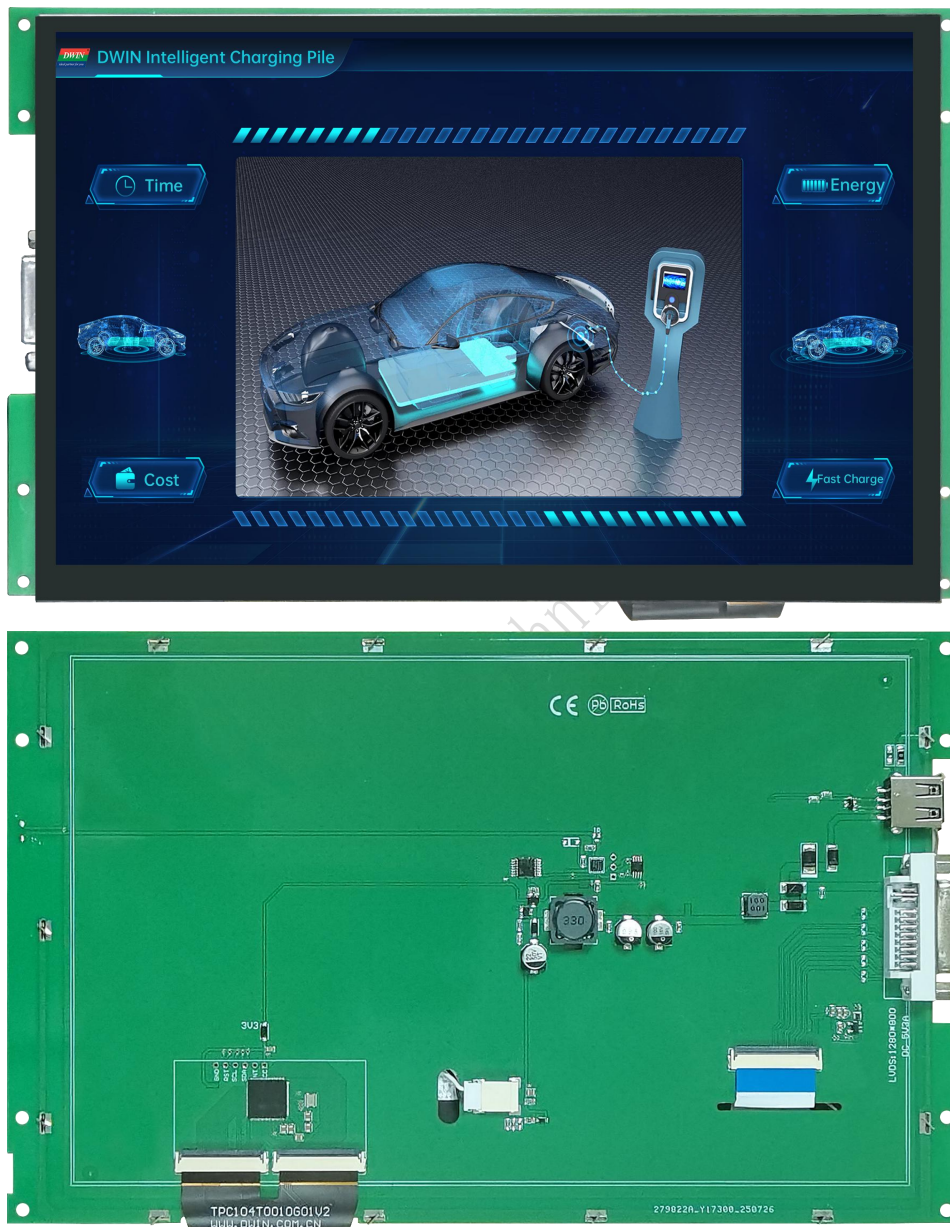


# HDW101\_007LZ02

10.1 Inch, 1280xRGBx800, IPS screen

CTP, LVDS interface display



## ● Display Parameters

<b>LCD Type</b>	IPS, TFT LCD.
<b>Viewing Angle</b>	Wide viewing angle (85°/85°/85°/85° typical), high contrast, and good color reproduction.
<b>Resolution</b>	1280×800 Pixel
<b>Active Area (AA)</b>	216.96mm(W)×135.60mm (H)
<b>Viewing Area (VA)</b>	218.00mm(W)×136.60mm (H)
<b>Backlight Service Life</b>	>50000H
<b>Brightness</b>	1100nit
Note: Use dynamic screen saver to prevent afterimages from prolonged fixed page display.	

## ● Touch Parameters

<b>Touch Panel</b>	OCA bonded capacitive touch panel
<b>Material</b>	Tempered cover glass
<b>IK(cover)</b>	IK08

## ● Electrical Specifications

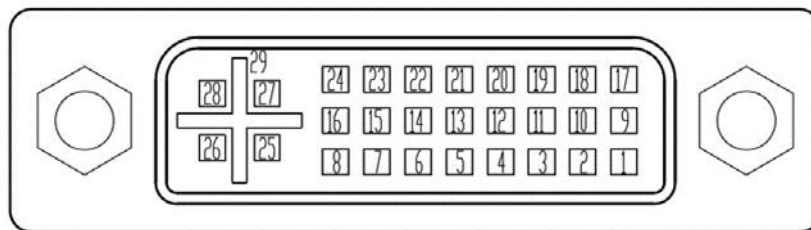
<b>Power Voltage</b>	3.6-6V, typical value 5V.
<b>Current Parameters</b>	1800mA@5V
Recommended power supply: 5V 2A DC.	

## ● Operating Environment & Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Operation Temperature	60%RH at 5V voltage	-30	25	80	°C
Storage Temperature	-	-30	25	80	°C
Operation Humidity	70°C	10%	60%	90%	RH
ESD	Contact: ±8KV; Air: ±15KV				
RE	CLASS B				
Anti-UV	Y				
Anti-Glare	Y				

## ● Hardware and Interface

Interface	LVDS, See dimension drawing for interface definition (VDD=+5.0V)
Socket	DVI_I interface



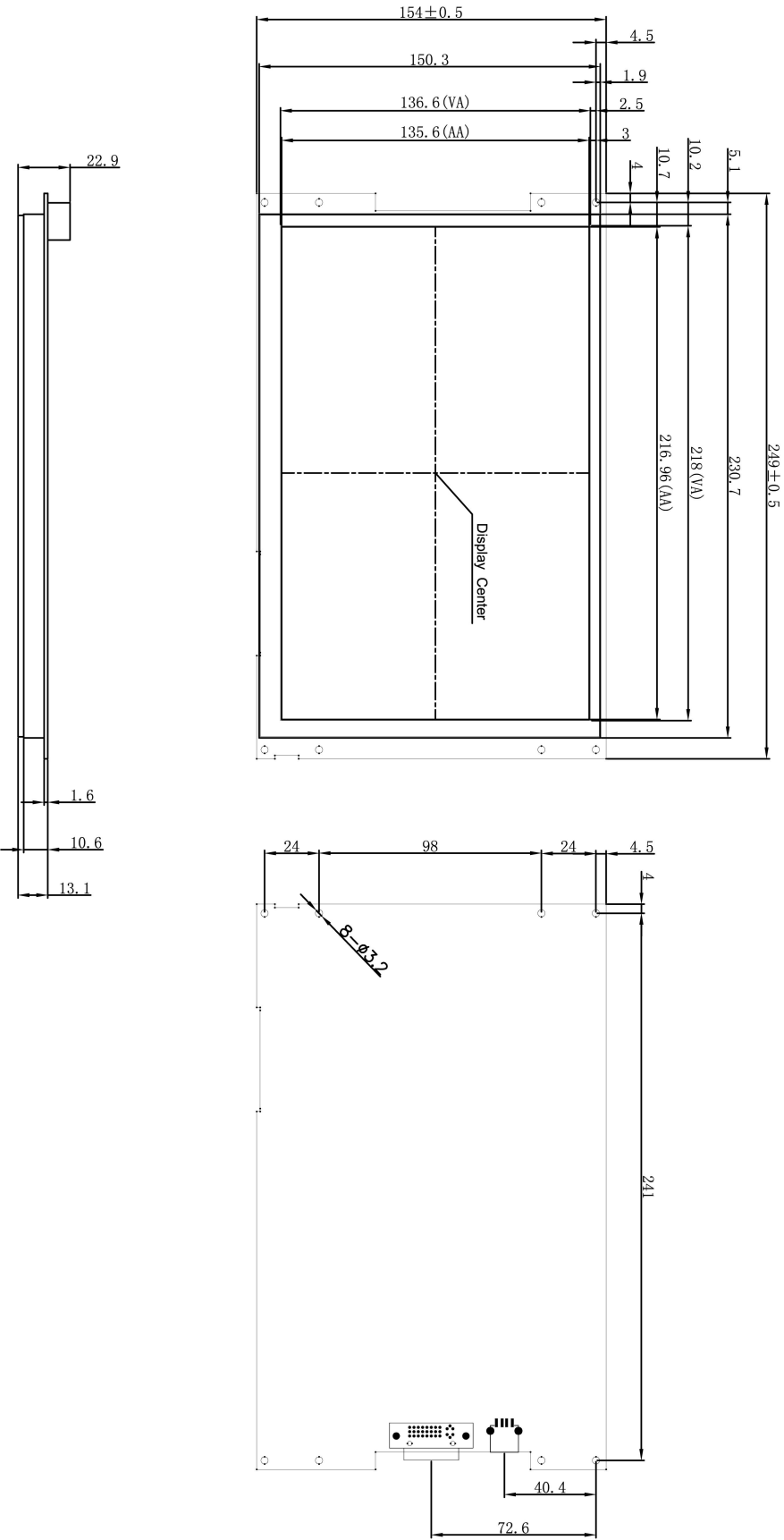
DVI\_I interface

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

## ● Packing & Dimension

<b>Dimension</b>	249.0mm (W)×154.0mm (H) ×22.9mm (T)			
<b>Net Weight</b>	-			
<b>Model</b>	<b>Dimensions</b>	<b>Layer</b>	<b>Qty/Layer</b>	<b>Qty (pcs)</b>
<b>Carton1:</b>	220mm(L)×160mm(W)×47mm (H)	-	-	-
<b>Carton2:</b>	250mm(L)×200mm(W)×80mm (H)	-	-	-
<b>Carton3:</b>	320mm(L)×270mm(W)×80mm (H)	2	1	2
<b>Carton4:</b>	435mm(L)×335mm(W)×290mm(H)	-	-	-
<b>Carton5:</b>	600mm(L)×430mm(W)×290mm(H)	1	20	20



Location hole is used as position reference.

Unmarked Tolerance is  $\pm 0.3$ mm

Active area is marked in Dash lines

Model	HDW101_007LZ02			
Drawing	A 4	Drawn	DWIN	Date
Scale		Check		Date
Unit	MM	Approval		Date
DWIN Technologies				

**● Revision Records**

Rev	Revise Date	Content	Editor
00	2025-08-01	Preliminary version	Chen Xian

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](mailto:dwinhmi@dwin.com.cn)

Website: [www.dwin-global.com](http://www.dwin-global.com)

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

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