PLCM MODULE

SPECIFICATION

Model:	DX80480050-HMD-RB-A
Version:	V1.0
Date:	2022-05-28

Customer Confirmation

Approved by	Notes

VIEWE Confirmation

Prepared by	Reviewed by	Approved by

SHENZHEN VIEWE TECHNOLOGY CO.,LTD

REVISION HISTORY

Revision 版本号	Date 日期	Contents of Revision Change 修改内容	Remark 备注
V1.0	2022.05.28	Preliminary release	

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1. 概要信息 Summary Info

1.1. 参数概要 Parameter Summary

1）5-inch standard display monitor, hardware resolution 800x480, resolution configurable through software (up to 1920X1080

2）With capacitive touch screen, supports 5-point mold control, USB touch, driver-free

3）Comes with OSD menu adjustment function (adjustable contrast/brightness/power on/off, etc.)

4）Compatible with mainstream mini PCs such as Raspberry Pi, BB Black, and Banana Pi

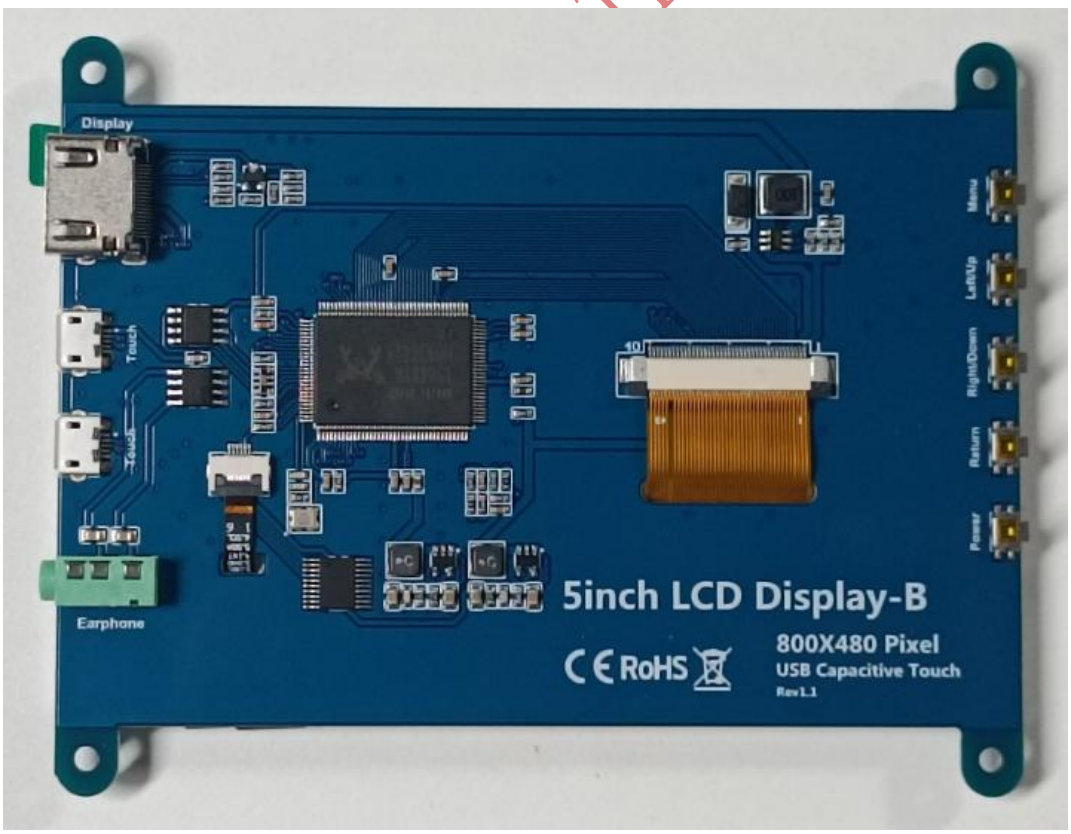
5）When used as a Raspberry Pi display, it supports Raspbian, Ubuntu, WIN10IOT and other systems, single-point clock control, and driver-free

6）When used as a Raspberry Pi display, it supports Raspbian, Ubuntu, WIN10IOT and other systems, single-point clock control, and driver-free

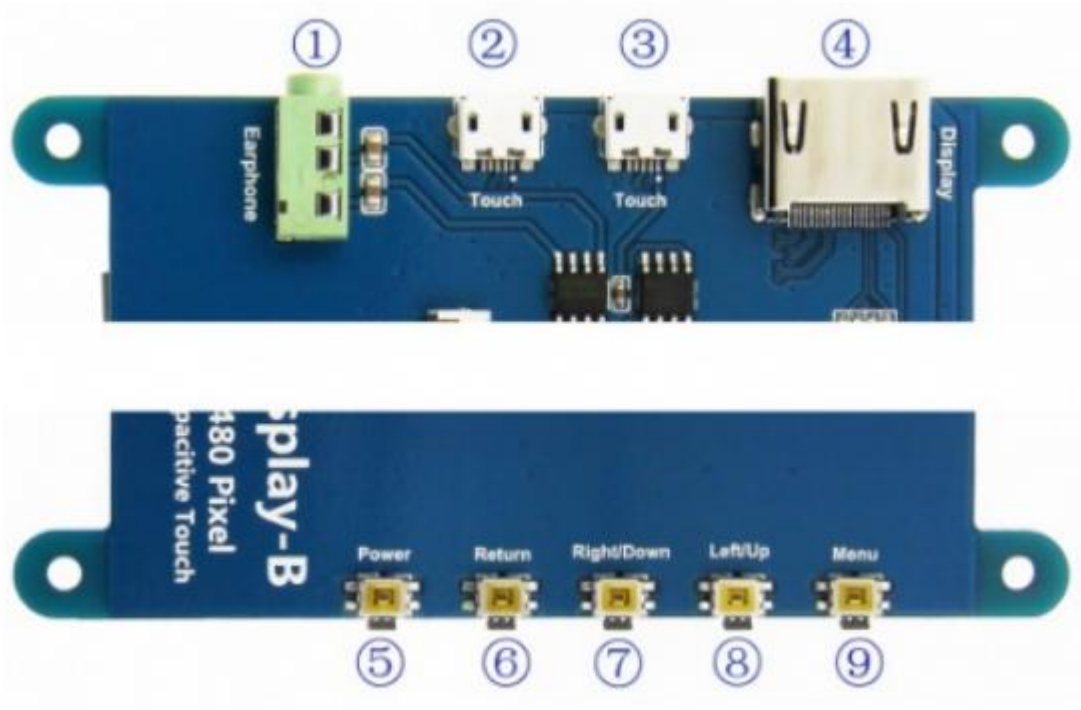
7）Supports common game consoles such as Microsoft Sony PS4, XBOX360 and Nintendo

8）This product has passed CE and ROHS certification

1.2. 产品图片 Product Physical



1.4 硬件说明 Hardware Description



1 Earphone: 3.5mm audio output interface

2、3 Touch: USB touch/power supply interface, used for power supply and touch-touch output. The functions of the two are the same, just connect either one.

4 Display: HDMI interface, used to connect the motherboard and LCD display for HDMI transmission

5 Power: Control the backlight on and off to save power consumption

6 Return: When setting the display menu, return to the previous level

7 Right/Down: Direction keys (backlight shortcut adjustment keys)

8 Left/Up: Direction keys (blue light shortcut adjustment keys

9 Menu: Display OSD setting menu/select key

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1.5 操作说明 Operating instructions

1.5.1 Used in Raspbian/Ubuntu Mate/Win10 IoT Core system

Step1 Install official image

A.Download the latest image from the official

B.Install the system according to the official tutorial steps

Step2 Modify the config.txt configuration file Step 1 After the programming is completed, open the config.txt file in the root directory of the Micro SD card and add the following code at the end of the file, save and safely eject the Micro SD card.

```
hdmi_force_edid_audio=1
max_usb_current=1
hdmi_force_hotplug=1
config_hdmi_boost=7
hdmi_group=2
hdmi_mode=1
hdmi_mode=87
hdmi_drive=2
hdmi_cvt 800 480 60 6 0 0 0
```

Step3 Insert the Micro SD card into the Raspberry Pi, connect the HDMI cable to the Raspberry Pi and the LCD, connect the USB cable to any of the 4 USB ports on the Raspberry Pi, connect the other end of the USB cable to the USB port of the LCD, and then connect the USB cable to the Raspberry Pi After powering on, if the display and touch are normal, the driver is successful.

1.5.2 How to use it as a computer monitor

Step1 Use an HDMI cable to connect the computer's HDMI output signal to the LCD's HDMI interface;

Step2 Connect one end of the MicroUSB cable to the USB Touch interface of the LCD (any one of the two MicroUSB cables can be used), and connect the other end to the USB port of the computer;

If there are multiple monitors, please unplug the other monitor interfaces first and use this LCD as the only monitor for testing.

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2. 电性能参数 Voltage & Current

参数 Item	测试条件 Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
工作电压 Power Voltage	normal temperature		5		V
工作电流 Operation		-	500	-	mA
Recommended working power supply: USB powered 5V 1A					

3. 工作环境和可靠性参数 Reliability Test

参数 Item	测试条件 Conditions	最小值 Min	典型值 Typ	最大值 Max	单位 Unit
工作温度 Working Temperature	Under 5V voltage, humidity 60%	-10	25	65	C
储存温度 Strage Temperature	-	-40	25	100	C
工作湿度 Working Humidity	25° C	10%	60%	90%	RH

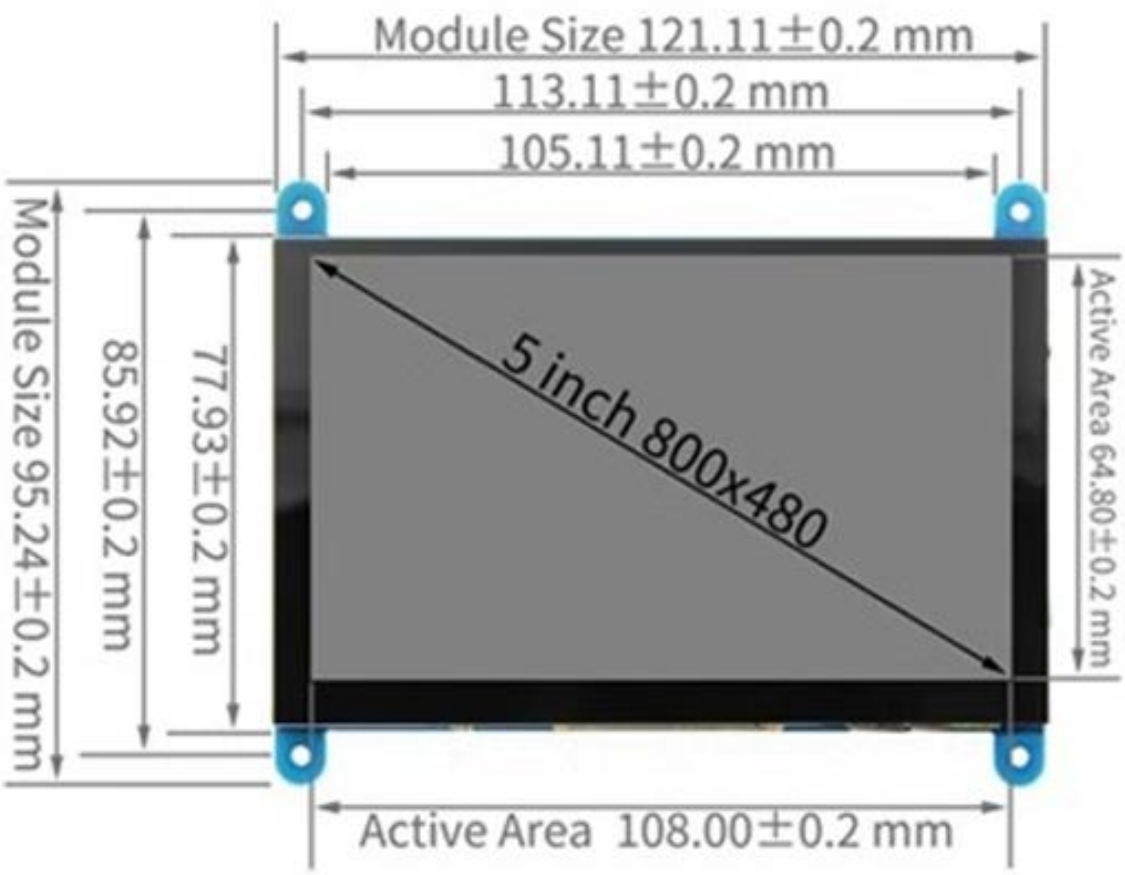
4. 发货清单 Shipping List

1）HD 800×480 5inch HDMI Display x1

2）HDMI Cable x1

3）USB Cablex1

4）Copper Pillar(4PCS)x1

5 结构图 Mechanical Drawing

The structural dimension of the product is 121.11mm*95.24mm*13.6mm
Screw hole position 4*R1.5