


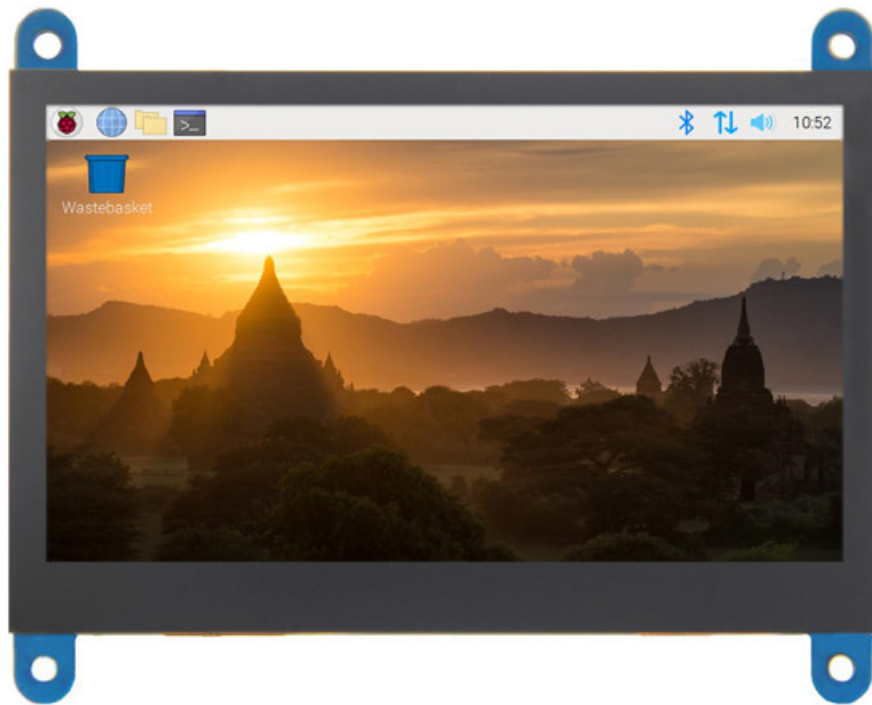


LCD wiki MPI4305 4.3inch HDMI Display C User Manual

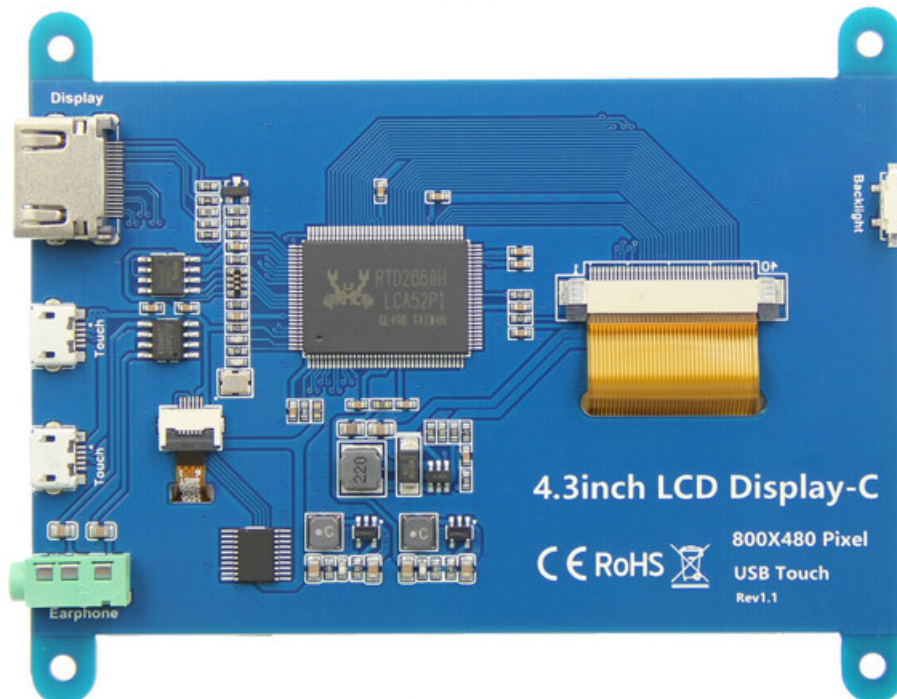
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LCD wiki

4.3inch HDMI Display-C
User Manual



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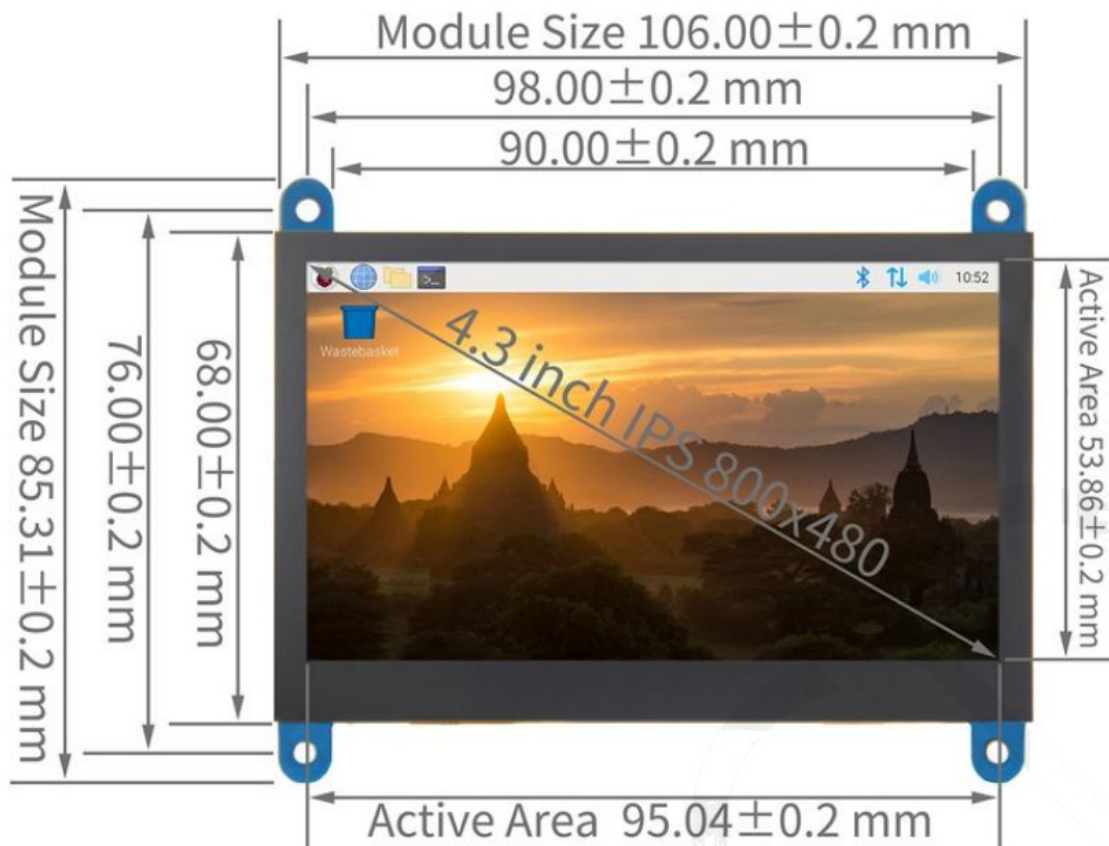
Product Description

- 4.3" standard display, 800×480 resolution maximum HDMI resolution 1920X1080 is supported
- Capacitive touch screen, support 5 point touch maximum
- Built-in OSD menu adjustment function (adjustable Contrast/ Brightness/Saturation, etc.)
- It is compatible with mainstream mini PC such as Raspberry Pi, BB Black, Banana Pi
- It can also be used as a general-purpose HDMI display, connecting computers, TV boxes, Microsoft Xbox360, SONY PS4, Nintendo Switch and so on
- Used as a Raspberry Pi display that supports Raspbian, Ubuntu, Kodi, Win10 IOT, single-touch, free drive
- Work as a PC monitor, support Win7, Win8, Win10 system 5point touch (XP and older version system: single-point touch),free drive
- Support HDMI audio output
- CE, RoHS certification

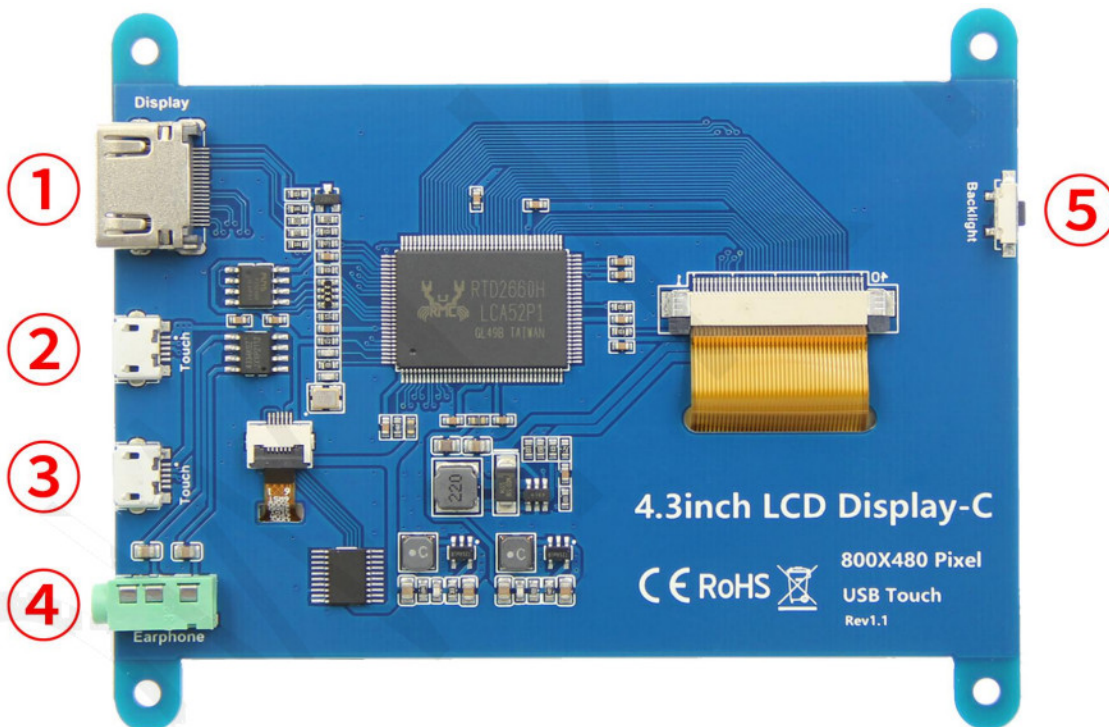
Product Parameters

- Size: 4.3(inch)
- SKU: MPI4305
- Resolution: 800 × 480(dots)
- Touch: 5 point capacitive touch
- Audio output: Support
- Active Area: 95.04*53.86(mm)
- Dimensions: 106.00*85.31 (mm)
- Rough Weight(Package containing): 219 (g)

Product Size



Hardware Description



- ① Display: HDMI interface (For connecting motherboard and LCD monitor)
- ②&③ Touch: USB connector (For power supply and touch output, the functions of the both are the same, can just use one of them)
- ④ Earphone: 3.5mm Audio output interface
- ⑤ Backlight: backlight brightness adjustment button, short press backlight changes by 10%, long press 3 seconds to close backlight

How to use with Raspberry Pi OS

◆ Step 1, Install Raspberry Pi OS image

- 1) Download the latest image from the official download.
- 2) Install the system according to the official tutorial steps.

◆ Step 2, Modify the “config.txt”

1. After the programming of Step 1 is completed, open the “config.txt” file of Micro SD Card root directory, Find
dtooverlay=vc4-kms-v3d

and change it to:

dtooverlay=vc4-fkms-v3d

2. Add the following code at the end of the file “config.txt”, save and eject Micro SD Card safely:

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

```
# Enable DRM VC4 V3D driver
```

```
dtooverlay=vc4-fkms-v3d
```

```
max_framebuffers=2
```

```
# Disable compensation for displays with overscan
```

```
disable_overscan=1
```

```
[cm4]
```

```
# Enable host mode on the 2711 built-in XHCI USB controller.
```

```
# This line should be removed if the legacy DWC2 controller is required
```

```
# (e.g. for USB device mode) or if USB support is not required.
```

```
otg_mode=1
```

```
[all]
```

```
[pi4]
```

```
# Run as fast as firmware / board allows
```

```
arm_boost=1
```

```
[all]
```

```
hdmi_force_edid_audio=1
```

```
max_usb_current=1
```

```
hdmi_force_hotplug=1
```

```
config_hdmi_boost=7
```

```
hdmi_group=2
```

```
hdmi_mode=87
```

```
hdmi_drive=2
```

```
hdmi_cvt 800 480 60 6 0 0 0
```

- ### ◆ Step 3, Insert the Micro SD Card to Raspberry Pi, connect the Raspberry Pi and LCD by HDMI cable; connect USB cable to one of the four USB ports of Raspberry Pi, and connect the other end of the USB cable to the USB

port of the LCD; then supply power to Raspberry Pi; after that if the display and touch both are OK, it means drive successfully.

How to rotate display direction

◆ **Step 1**, If the driver is not installed, execute the following command (Raspberry Pi needs to be connected to the Internet):

```
sudo rm -rf LCD-show
```

```
git clone https://github.com/goodtft/LCD-show.git
```

```
chmod -R 755 LCD-show
```

```
cd LCD-show/
```

```
sudo ./MPI5001-show
```

After execution, the driver will be installed.

◆ **Step 2**, If the driver is already installed, execute the following command:

```
cd LCD-show/
```

```
sudo ./rotate.sh 90
```

After execution, the system will automatically restart, and the display screen will rotate 90 degrees to display and touch normally.

(' 90 ' can be changed to 0, 90, 180 and 270, respectively representing rotation angles of 0 degrees, 90 degrees, 180 degrees, 270 degrees


If the 'rotate.sh' prompt cannot be found, Back to Step 1 to install the latest drivers.

How to use as PC monitor

- Connect the computer HDMI output signal to the LCD HDMI interface by using the HDMI cable
- Connect the LCD's USB Touch interface (Either of the two Micro-USB) to the USB port of the device
- If there are several monitors, please unplug other monitor connectors first, and use LCD as the only monitor for testing.

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Documents / Resources

	<p>LCD wiki MPI4305 4.3inch HDMI Display C [pdf] User Manual</p> <p>MPI4305 4.3inch HDMI Display C, MPI4305, 4.3inch HDMI Display C, HDMI Display C, Display C</p>
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References

- [User Manual](#)

