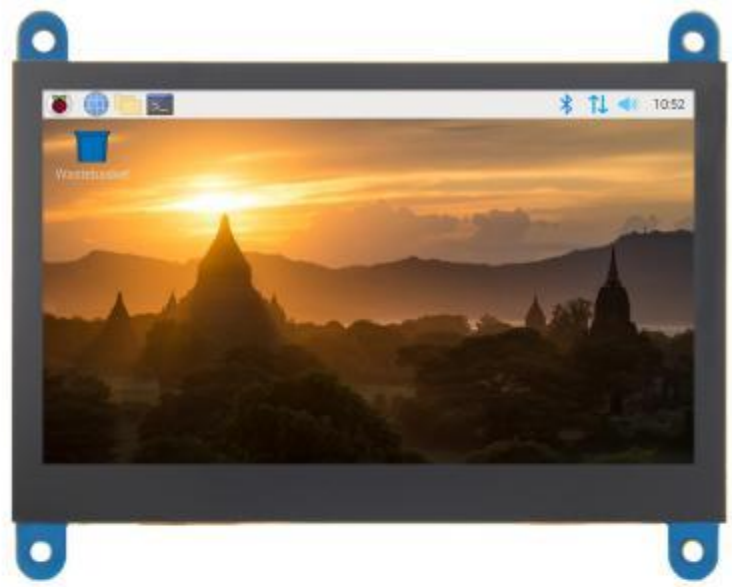
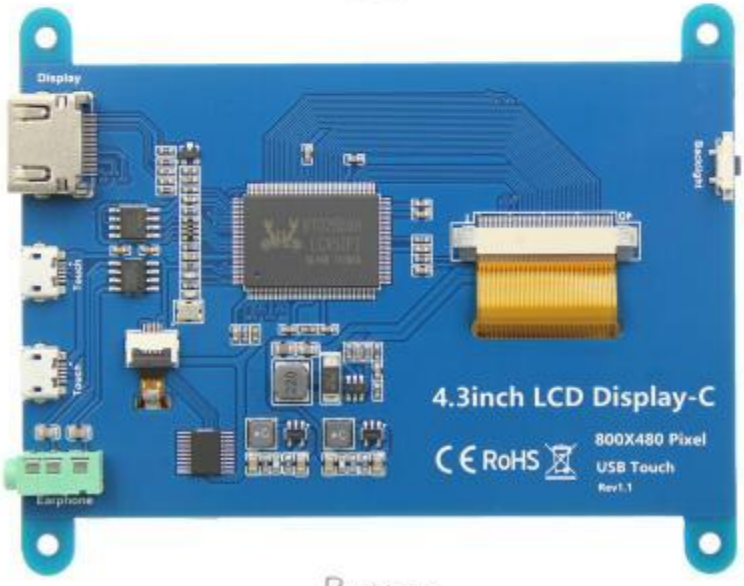
4.3inch HDMI Display-C

User Manual



TOP



Bottom

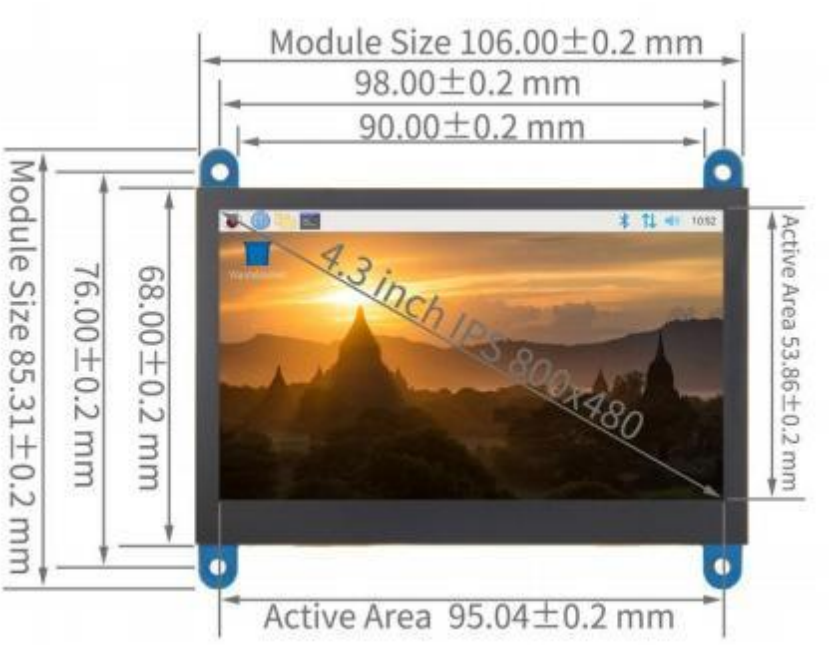
【Product Description】

- 4.3'' standard display, 800x480 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 **5**point touch (**XP** and older version system: single-point touch),free drive
- Support HDMI audio output
- **CE**, **RoHS** certification

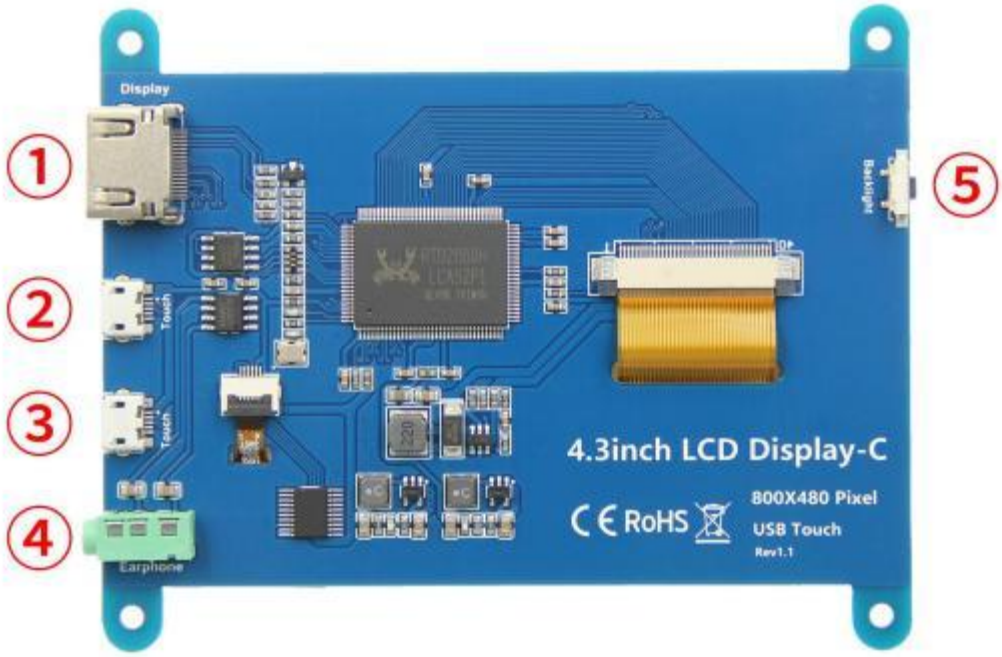
【Product Parameters】

- Size: 4.3(inch)
- SKU: DS20227
- 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

```
dtoverlay=vc4-kms-v3d
```

and change it to:

```
dtoverlay=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
dtoverlay=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 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.