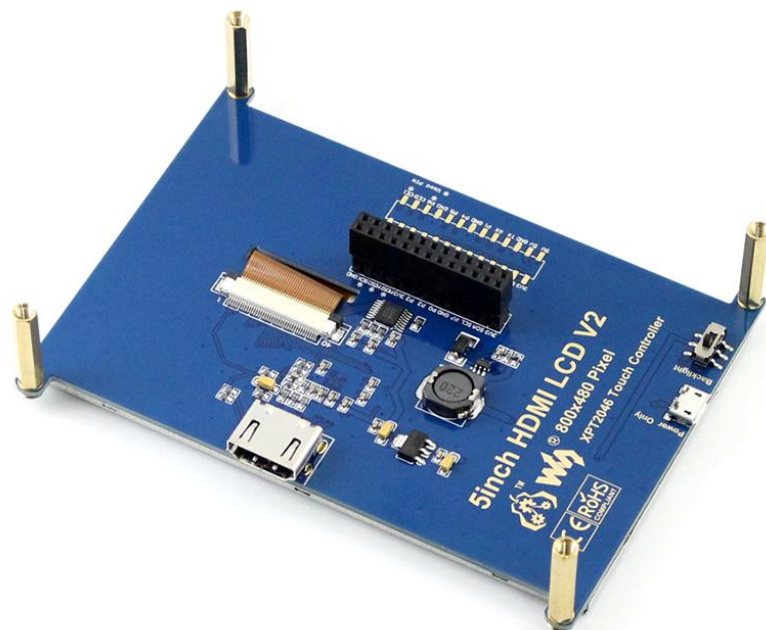
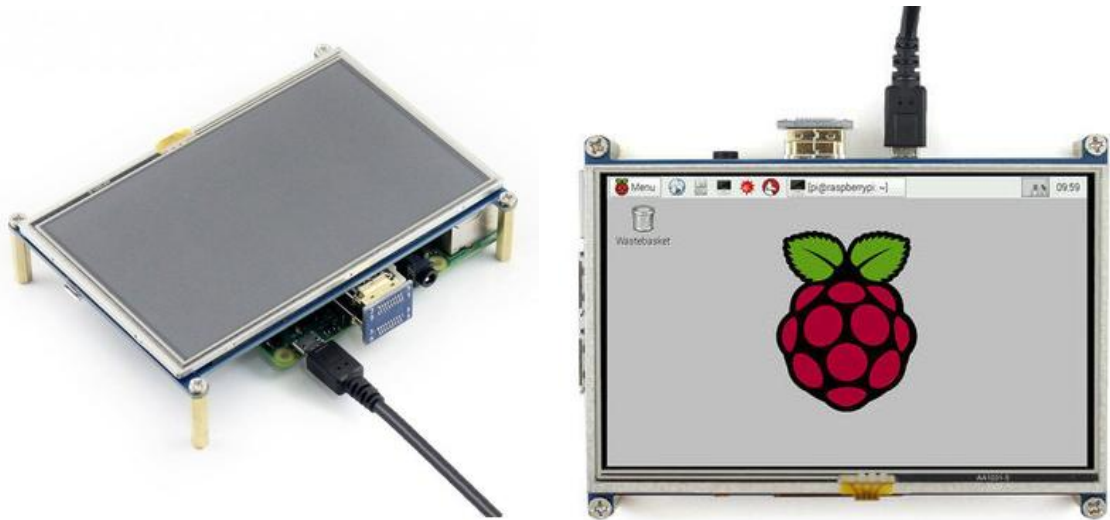


## 5 inch Touch Screen LCD for Raspberry Pi with HDMI Interface



This fantastic 5 inch HDMI LCD display with USB touch screen is compatible with almost all the operating systems on the market. Utilizing pre-existing Linux/Windows/Mac drivers, this 800 x 480 touch screen will help you hit the ground running. Resistive touch function gives the user full control over any device. It supports Windows XP SP3, Windows 7, Windows 8, Windows 8.1, Windows 10, Android 4.2, Windows CE7, Ubuntu and Debian. With the built-in EDID device information, your equipment will get identified in no time.

Meanwhile, its USB touch can fulfill the functions of the right mouse button and drag and drop.

With the special design power circuit for this display, it requires less than 150mA current to get it running with perfect performance. When you do not need the touch screen function, all you need is to plug a HDMI line to get it work. We have successfully run the tests on PC, laptop, Raspberry Pi, Beaglebone Black, Udo, Compute stick, SLR camera.

### **Specifications:**

- Power: 5V Power via USB Micro
- Current: less than 150mA
- Display Type:5 inch TFT LCD
- Resolution: 800x480
- Touch screen: USB Resistive
- Interface: HDMI USB 2.0 Full Speed
- Dimensions: 133mm x 76mm x 7mm
- Weight without package:120g
- Weight with package:140g

### **Features:**

- USB Resistive Touch Control
- Plug and Play! No Driver Needed!
- Compatible with Raspbian, Ubuntu Mate, NOOBS with Raspberry Pi
- Compatible with Debian, Angstrom with BeagleBone Black
- Compatible with Windows/Ubuntu/Mac with PC
- Intel-Processor Base MiniPC Supports
- Ultra Low Power Consumption Backlight

### **Package Includes:**

- 1 x 5 Inch HDMI Touch Screen Display
- 1 x Black Touch Pen

### Technology Support:

When you use this display with a Raspberry Pi, please edit config.txt to set the HDMI to the native 800x480 in case it doesn't detect the resolution properly. The easiest way to edit the config.txt is to put the Pi TF card into an everyday computer and edit config.txt with any text editor. Save it and it is ready to rock.

### Interface

PIN NO.	SYMBOL	DESCRIPTION
1, 17	3.3V	Power positive (3.3V power input)
2, 4	5V	Power positive (5V power input)
3, 5, 7, 8, 10, 11, 12, 13, 15, 16, 18, 24	NC	NC
6, 9, 14, 20, 25	GND	Ground
19	TP_SI	SPI data input of Touch Panel
21	TP_SO	SPI data output of Touch Panel
22	TP_IRQ	Touch Panel interrupt, low level while the Touch Panel detects touching
23	TP_SCK	SPI clock of Touch Panel
26	TP_CS	Touch Panel chip selection, low active

### Working with PC

- Turn on the "backlight" switch on the back of the LCD
- Connect the LCD to your PC (USB Port of LCD -> USB Port of PC);
- Connect HDMI Port of LCD -> HDMI Port of PC. Please first connect the USB Ports then connect the HDMI Port).

A new touch drive will be recognized by Windows and you can use the LCD as a human interface device.

Note : When multiple displays are detected by your PC, the LCD can only be used to control the cursor on main display. So it is proposed to set the LCD as the main display.

### Working with Raspberry Pi

For the Windows OS on PC, the resolution of the LCD is automatically identified. Hence, you do not need to make the relative settings. When working with Raspberry Pi, you should set the resolution of the LCD by yourself, or else the LCD screen will not work.

For more detail information, please read the following section.

- Turn on the "backlight" switch
- Connect the LCD to your Pi (HDMI Port of LCD -> HDMI Port of Pi;
- Connect USB Port of LCD -> USB Port of Pi; 5V~2A power supply).
- Download the Raspbian image from Raspberry Pi web site.
- Write the image to a TF card and append the following lines to the config.txt file which is located in the root of your TF card:

```
max_usb_current=1
hdmi_group=2
hdmi_mode=87
hdmi_cvt 800 480 60 6 0 0 0
hdmi_drive=1
```

- You must make sure that there are no spaces on either side of the equal sign.
- Save and connect the TF card to your Pi then power up.

(Touch input working well means that the LED firmware is Rev2.1. If the LCD firmware is 1.1, see #About LCD revision)

Note: Resolution of Ubuntu Mate OS or Windows 10 IoT Core OS can also be set properly by editing config.txt.

## External Dimension

