7-Inch-1024x600 Capacitive Touch Screen (Extend Two USB HOST Port) SKU: EP-0085

Description

This is our brand new product, it is a fantastic 7 inch HDMI monitor with capacitive touch screen and driver free.
It's been tested on Raspberry Pi, beagle bone black, windows 10 and Mac book pro.
And it works well on those platform and it really plug and play, all you need to do is to adjust the resolution(on RaspberryPi).

It supports 1024x600 resolution and you may find that the pictures are more bright when you are using this display.
The capacitive touch function give the user full control over any device.
It's driver free for your device due to built-in EDID device information, it is very easy to let the equipment correctly identified the touch screen.
And the Capacitive USB touch screen can support functions of the right mouse button and drag and drop, and also support multipoint touch, maximum 10 points.(only test in windows 10)

For use with a Raspberry Pi we suggest editing config.txt to set the HDMI to the native 1024x600 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 every day computer and edit config.txt with any text editor and save.

And most valuable things is it has been extended with two USB HOST ports.
So that you can hookup more USB devices to your screen, for example, the USB dongle or the USB mouse or keyboard.

Feature

- Resolution up to 1024 x 600
- USB Capacitive touch control
- Free-driver, Plug and Play
- Supports Raspbian, Ubuntu Mate, NOOBS with RaspberryPi
- Supports Debian, Angstrom with BeagleBone
- Supports Windows / Ubuntu / Mac with PC
- Supports Intel-Processor Base MiniPC
- ULP (Ultra Low Power) consumption backlight
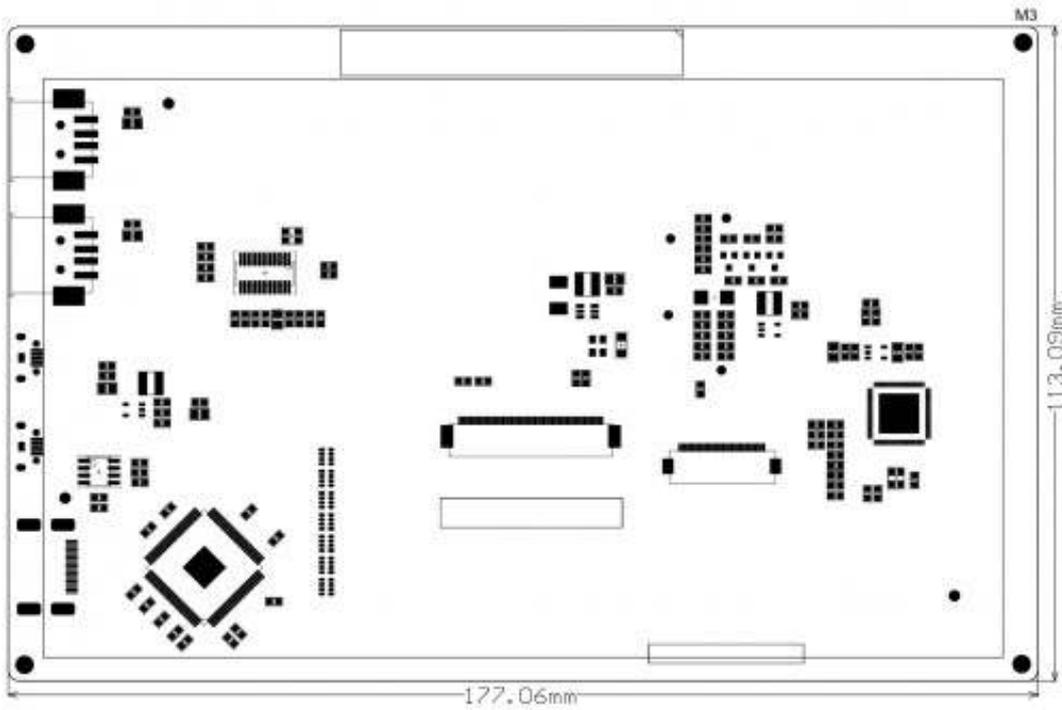- Extend Two USB HOST Ports

Parameters

- Power: 5V Power via USB Micro
- Current: Max 500mA
- Display Type: 7 inch TFT LCD
- Resolution: 1024x600
- Touchscreen: USB capacitive
- Touch points: 10 points maximum
- Interface: HDMI & USB 2.0 Full Speed
- Brightness: 250 cd/m² (Typ.)
- Contrast Ratio: 500:1 (Typ.) (TM)
- View Angle: 70/70/50/70 (Typ.)(CR≥10)
- Respones Time: 10/15 (Typ.)(Tr/Td) ms
- Dimensions: 177.06mm x 113.09mm x 15.2mm
- Weight without package: 230g
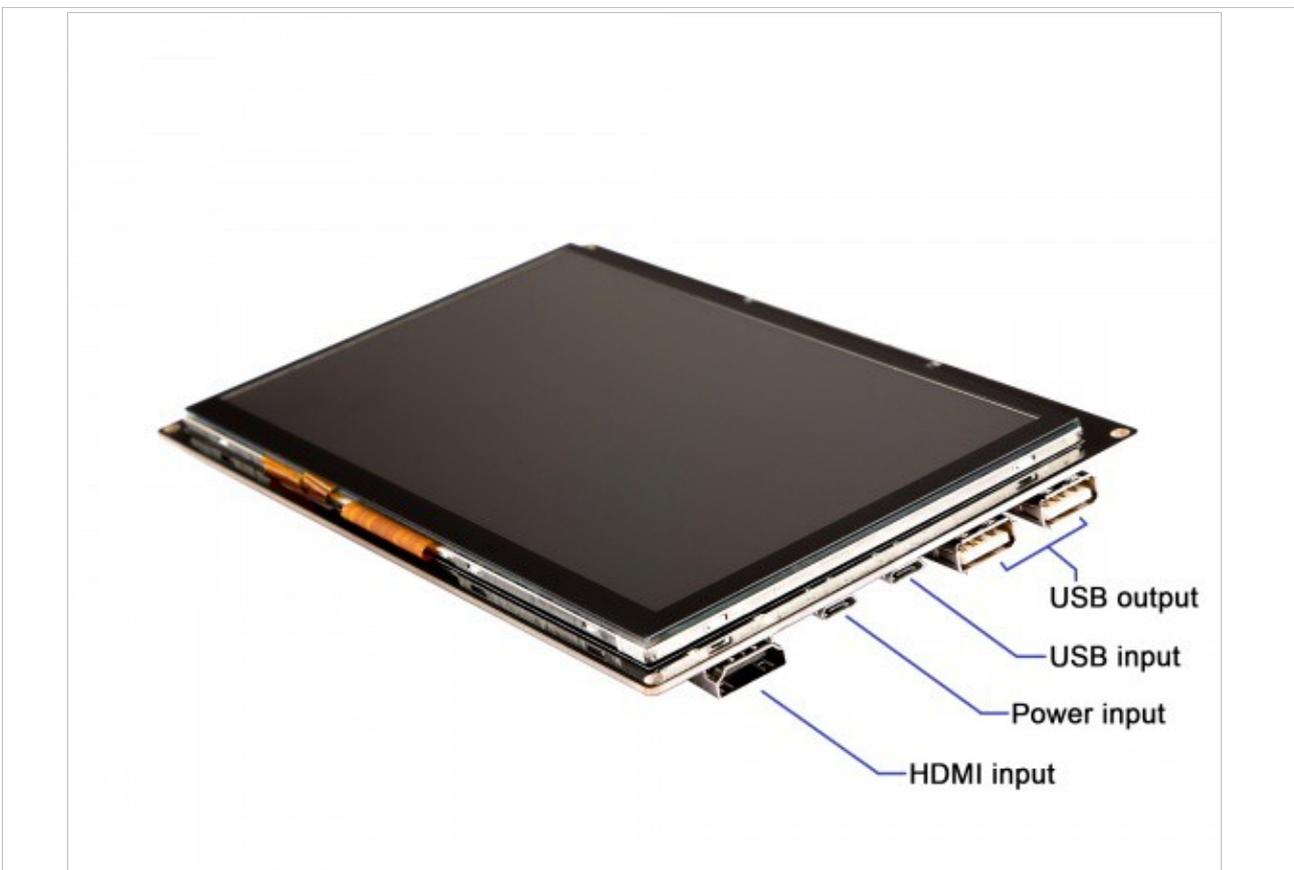- Weight with package: 350g

Package includes:

- 1 x 7 Inch Capacitive HDMI Display
- 1 x 30cm High Quality HDMI cable wire
- 1 x MicroUSB Cable wire

Mechanical Design Drawing

Port Description

USB output
USB input
Power input
HDMI input

Raspberry Pi Configure

How to setup resolution for the screen:

You can modify /boot/config.txt file with vim.tiny or nano editor, and change the parameters as following chart:

Resolution	config file
1024x600	hdmi_group=2 hdmi_mode=87 hdmi_cvt 1024 600 60 3 0 0 0 hdmi_force_hotplug=1

Please reboot Raspberry Pi after modifying the /boot/config.txt

How to setup Resolution Automatically

There is a easy way to setup resolution of your screen by a shell script.
You can download the scripts by git tool and use it to change resolution for your screens as following steps:
Note: Please login with your "pi" user and just typing those command absolutely according to this wiki.
git clone https://github.com/yoyojacky/52Pi.git
cd ~/52Pi
chmod +x restool.sh
./restool.sh
and then follow the step to chose the screen type that you have, and it will automatically setup the resolution for you.

FAQ

Question: why did i hookup everything but the touch panel is out of work? Answer: You need to plug the microUSB cable to the data microUSB port which is close to the standard USB port. it is far away from the HDMI cable.