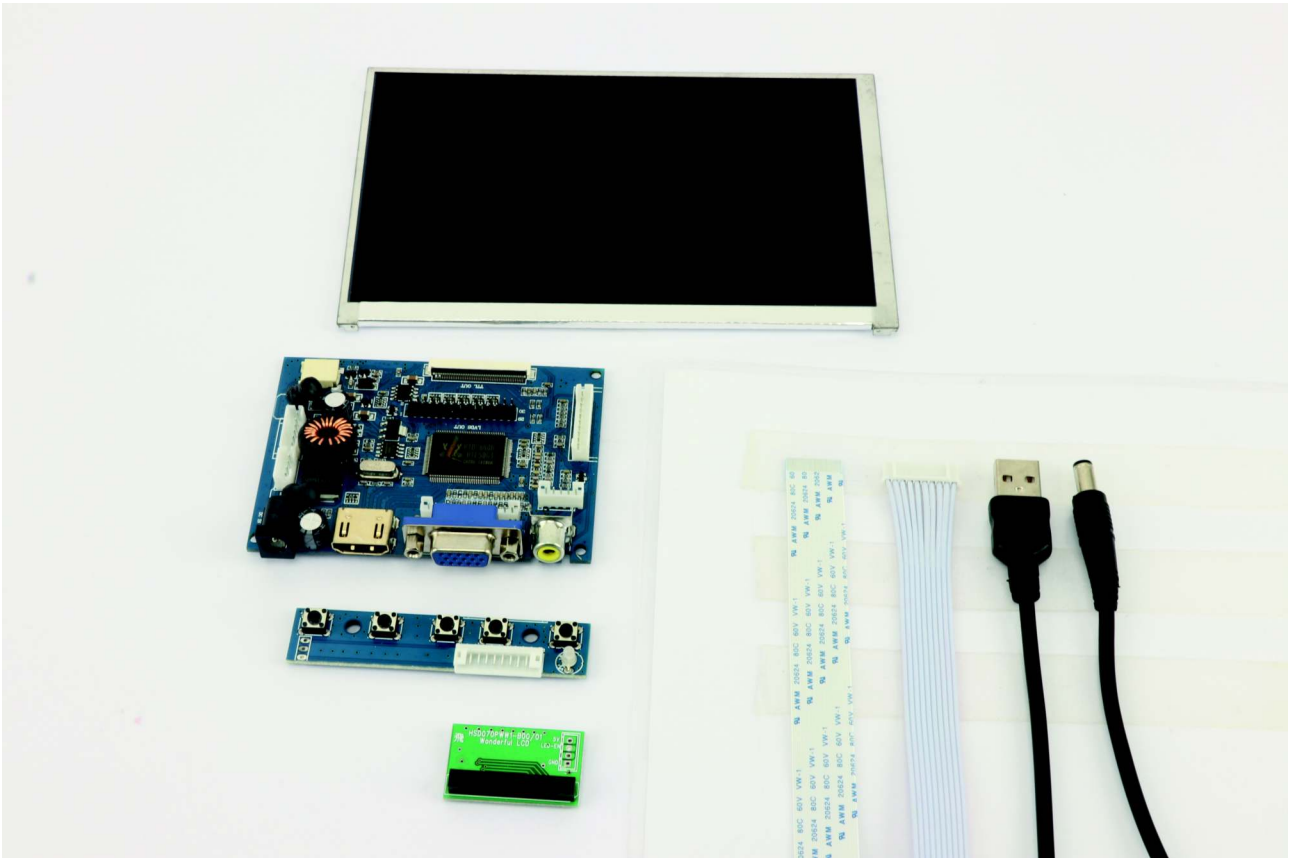# 7-Inch-1280x800 Display Kit(without Touch Screen) SKU:Z-0112

Description

Note: The LCD screen without HDMI or VGA cable, un-touch screen version doesn't need drivers.

Attention: The following picture shows the latest version of 7-inch-1280x800 Display kit, it has new blue color on board.

Feature:

• Operating voltage: 9V (current requirement 1A-2A), Recommend 12V power supply.

• Rated power: 10-12 Watt

• Signal input: AV + VGA + HDMI (HDMI 1.2)

• Resolution: 1280x800

• Plug and Play: Support

• OSD language: Simplified Chinese, Traditional Chinese, English, Japanese, Korean, Spanish, French, German, Italian, Portuguese

• Control: Multi-function OSD operation or potentiometer adjust the brightness and color

• Features: Using mature program, clear display

• Support image flip up and down, the image can conversion 4: 3 / 16: 9 display format

• Based on IPS technology

LCD screen parameters:

• Display size: 7 inch

• Touch screen: Not support

• Dimensions: 161 (W) × 106 (H) × 5 (D) mm

• Viewing area: 152mm (H) × 96mm (V)

• Resolution: 1280 × 3 (RGB) ×800

• Point distance: 0.05 (W) × 0.15 (H) mm

• Viewing angle: All angle

• Panel type: IPS

• Display color: 262K , 50% (CIE1931)

• Contrast ratio: 800:1 (Typ.)

• Brightness: 400 cd/m² (Typ.)

• Interface type: Digital

• Connection type: FPC cable

• Backlight: LED

• Response time: 25 (Typ.)(Tr+Td) ms

• Working Frequency: 60Hz

• Signal interface: LVDS (1 ch, 6-bit) , 30 pins

• Voltage: 3.3V (Typ.)

• Working Temperature: -20 ~ 70 °C

• Storage Temperature: -30 ~ 80 °C

• Applications: mobile DVD, digital photo frame, car systems, multimedia applications and other audiovisual systems

Package includes:

• 1 x 7-inch LCD screen

• 1 x LCD Driver board

• 1 x White cable (connected to the key board)
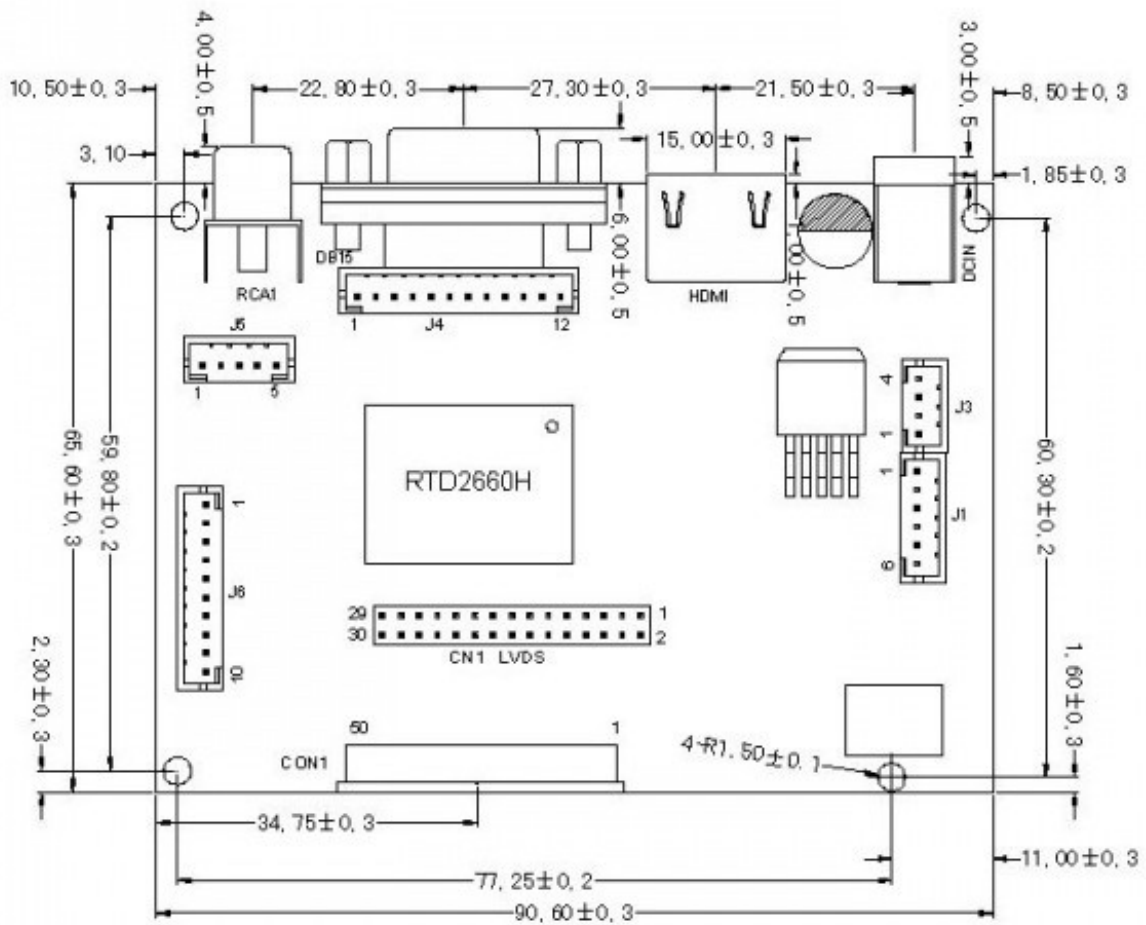
• 1 x Long green key board

Documents

How to setup resolution:

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

Resolution	config file
1280x800	disable_overscan=1 hdmi_drive=1 hdmi_group=2 hdmi_mode=28 hdmi_force_hotplug=1

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

Video Driver Board Mechanical Drawing

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:

```
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: How can I use this screen in my car?
Answer: sorry, we do not recommend you put this screen in your car, it may distract your attention when you driving your car.

Question: Which wire cable can i use?
Answer: This screen's driver board can offer both VGA and HDMI cables for output.