



Miuzei MC21-4 Raspberry Pi 4 Touchscreen with Case Fan User Manual

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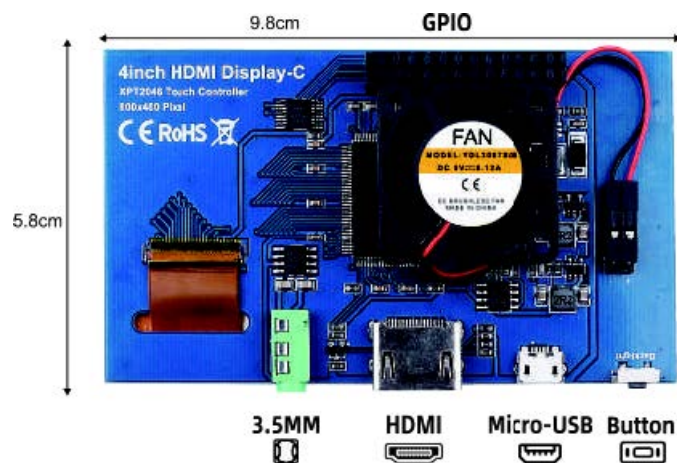


Miuzei MC21-4 Raspberry Pi 4 Touchscreen with Case Fan

Product Parameters

Set Up	Parameter
Screen Size	4.0inch
LCD type	TFT IPS
Module Interface	HDMI
Resolution	800*480 (Pixel)
Active Area	51.84×86.40(mm)
Touch Screen Controller	XPT2046
LCD Driver IC	NT35510
Backlight	LED
power consumption	0.16A*5V
Working temperature °C	-20~60°C
Module PCB Size	98.60*58.05 (mm)
Package Size	143*134*51 (mm)
Rough Weight(Package containing (g)	126 (g)

Hardware Description



	3.5mm Headphone Jack	interface	HDMI signal input interface
Micro USB	Get 5V Power from USB, If ⑤-13*2 Pin Socket has been connected, that USB interface can be No Connect.		
Backlight Button	Backlight brightness adjustment button, short press backlight changes by 10%, long press 3 seconds to close backlight.		
GPIO 13*2 Pin Socket	Gets power and return touch from this area when used as a raspberry pie monitor		

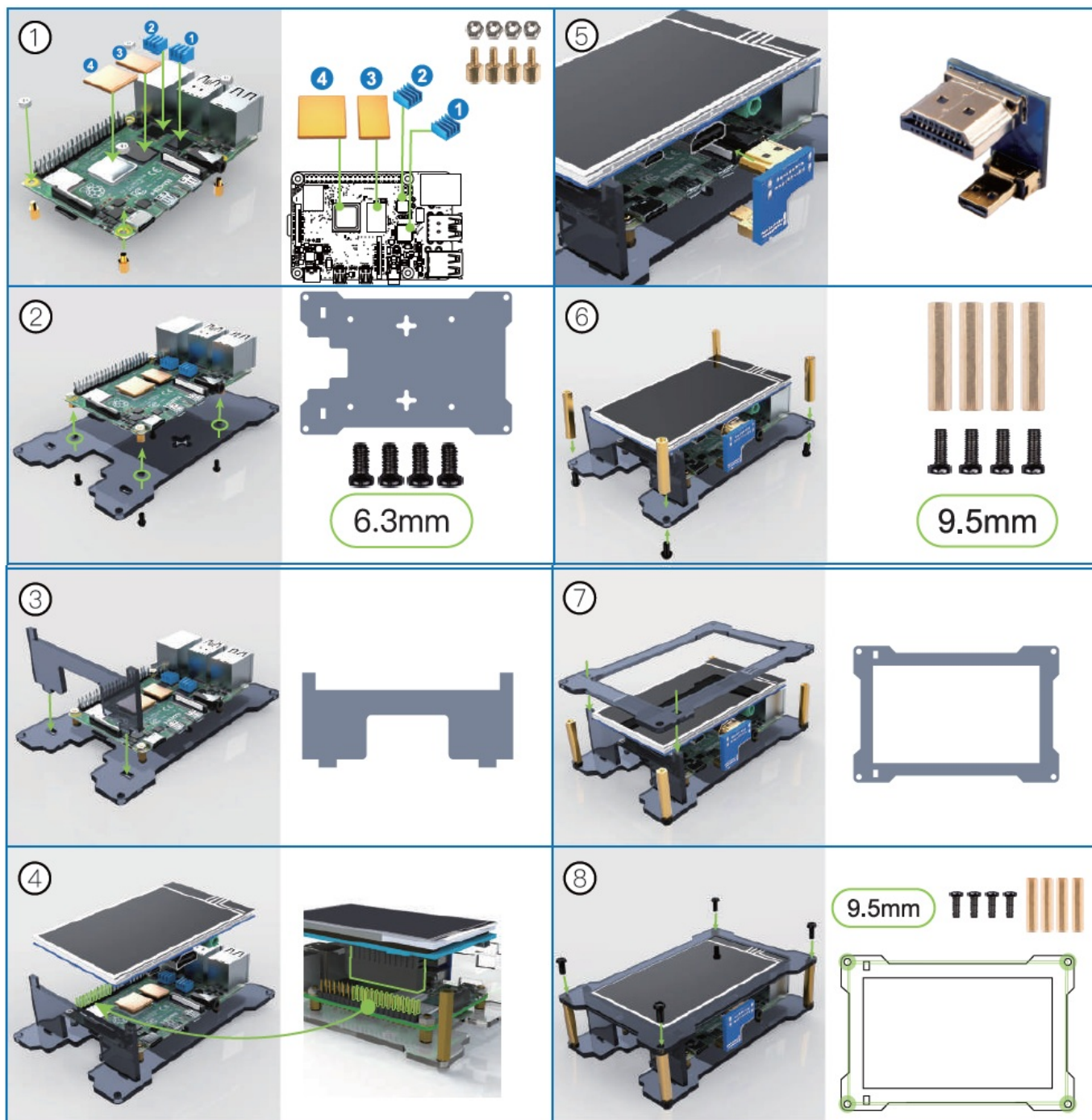
Sequence of 13 * 2-pin socket interface



Pin	Name	Description
1,17	3.3V	Power supply +3.3V
2,4	5V	Power supply +5V
3,5,7,8, 10,13,15 16,18,24	NC	NC
6,9,14 20,25	GND	GND
19	TP_SI	SPI data input of touch panel
21	TP_SO	SPI data output of touch panel
22	TP_IRQ	Touch the SPI clock signal of the panel
23	TP_SCK	The touch panel is interrupted and the low level is detected when the touch panel is pressed down
26	TP_CS	Touch panel select signal, low level select touch panel

Hardware Installation

Install Video: <http://youtu.be/6osaAeiQ24Q>



SYSTEM INSTALLATION GUIDE

Please Note: Only Support Raspbian/Kali/Octopi/Ubuntu

- Before use, be sure to install system provided by miuzei (system comes with touch driver)

System Name	Download
Raspbian	https://tinyurl.com/y3xsemve
Kali	https://tinyurl.com/y3hvez6p
OctoPi	https://tinyurl.com/y48ydar9
Ubuntu	https://tinyurl.com/y5hh9uqw
System Installation: https://youtu.be/d4XzSWDqTGU	

- If you have installed official Raspbian 32-bit system, Be sure to refer to the following touch driver .

Installation method

1. load Raspbian System Click Terminal System.
2. Enter following commands

```
sudo rm-rf LCD-show git clone https://github.com/goodtft/LCD-show.git
chmod -R755 LCD-show
cd LCD-show/sudo./MP14008-show
```

Using Function Guide

WIKI:

<https://geekdiywiki.com/4tutorias>

- Control Screen Rotation
- Split Screen
- Control Switch Screen

Frequently Asked Question

Q1: What if there is no signal & blue screen & flashing?(Raspbian/Kali/Octopi/Ubuntu)

A. It may be that screen cannot be displayed & used normally due to incompatibility of system or lack of driver. Reinstall officially adapted touch driver <https://geekdiywiki.com/system>

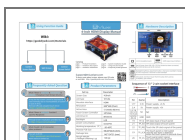
Q2: What if there is no touch function? (Just for Raspbian)

A: Through driver installation provided by us <https://tinyurl.com/y2oex4tvA>

Q3: What should I do if I encounter other problems?

A. You can visit link <http://geekdiywiki.com/4inchscreen> learn more or contact us

Documents / Resources



[Miuzei MC21-4 Raspberry Pi 4 Touchscreen with Case Fan](#) [pdf] User Manual
MC21-4, Raspberry Pi 4 Touchscreen with Case Fan, Raspberry Pi 4, Pi 4 Touchscreen, MC21-4

References

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-  tinyurl.com/y5hh9uqw

Manuals+.