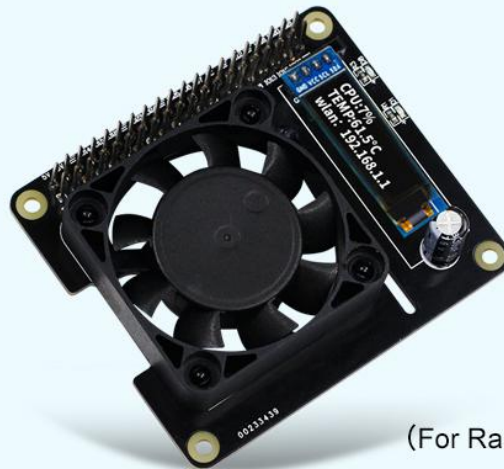


Raspberry Pi RGB Cooling HAT

Intelligent control of fan speed Real time display of status



(For Raspberry pi 4B/3B+/3B)

Five functions



Board protection



Active cooling



Real time
status display



External extension



Programming
RGB light

Configuration

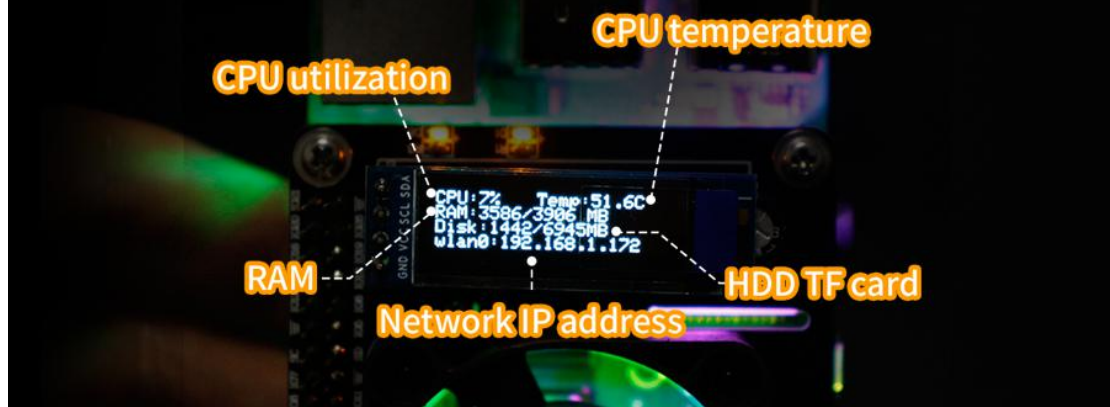
Standard Version (including OLED screen)



The standard version includes OLED display, which can display the running status of Raspberry Pi in real time. (such as memory, CPU, temperature, IP address, hard disk capacity, etc.)

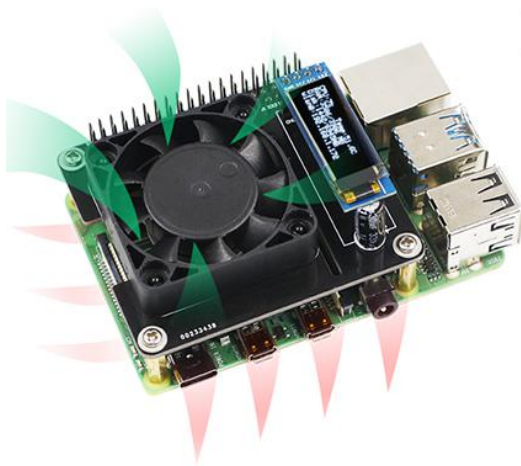
Real time display of Raspberry Pi status

OLED screen can display CPU temperature, CPU utilization, hard disk space, RAM, IP address.



Real time reading temperature

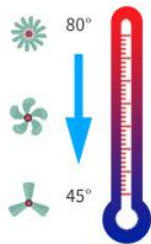
Intelligent active cooling



According to the CPU temperature, intelligently adjust the fan speed to make the Raspberry Pi work stably.

Fan speed can be set freely

The default speed of exit is set as follows. The fan speed in each temperature zone can be set to meet various usage scenarios.



Temperature	Fan speed
50°C	50%
55°C	75%
60°C	90%
65°C	100%

Fan speed can be set freely

Supplied drive package, which is suitable for pi4B/3B/3B+ image

Programmable RGB light

The temperature control expansion board has three high-bright RGB programming lights on the board. The RGB lights can be programmed to emit different colors. The RGB light color can be used to indicate the RAM usage, CPU usage and temperature of the motherboard.



#The RGB light color can be used to indicate the RAM usage, CPU usage and temperature of the motherboard.

Provides multiple light mode commands

Equipped with 3 high brightness programmable RGB lights

Breathing light



Water light



Rainbow light

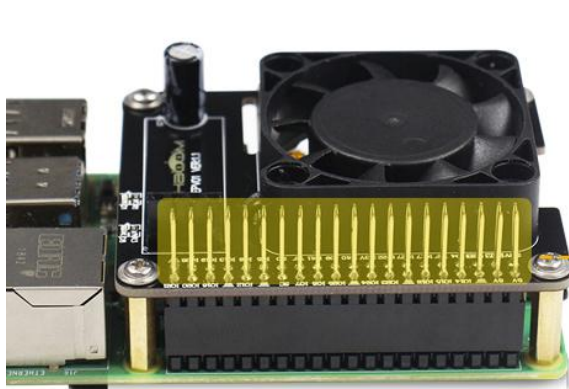


Glare light



Raspberry Pi IO interface out

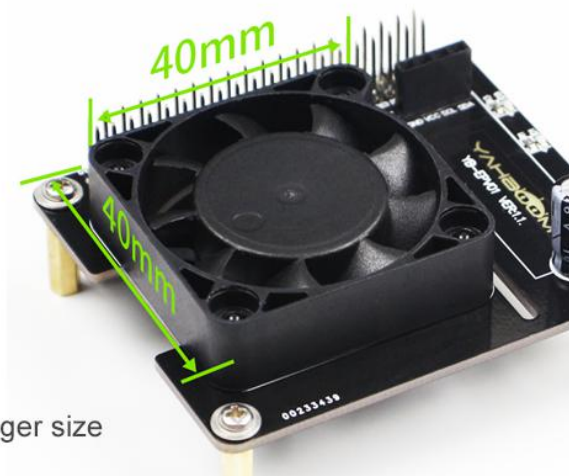
Lead IO interface out



The expansion board leads out all IO ports of Raspberry Pi. It can be used after plugging.

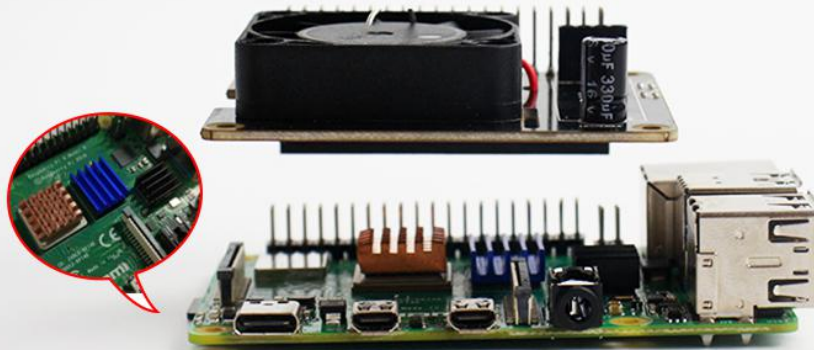
Large size cooling fan Stronger heat dissipation

Most of them use 30mm * 30MM small cooling fan on the market



Strong wind/better heat dissipation/bigger size

**It can be used
superimposed with heat sink**



Given tutorials



* We provided driver package for all Raspberry Pi system images.
All fan, RGB lights, OLED can be driven by this driver package.

Detail:

Raspberry Pi cooling HAT expansion board:

Size: 61mm*59mm

Weight: 34.1g

Cooling fan:

Size: 40mm*40mm

Package list:

Raspberry Pi cooling HAT expansion board*1

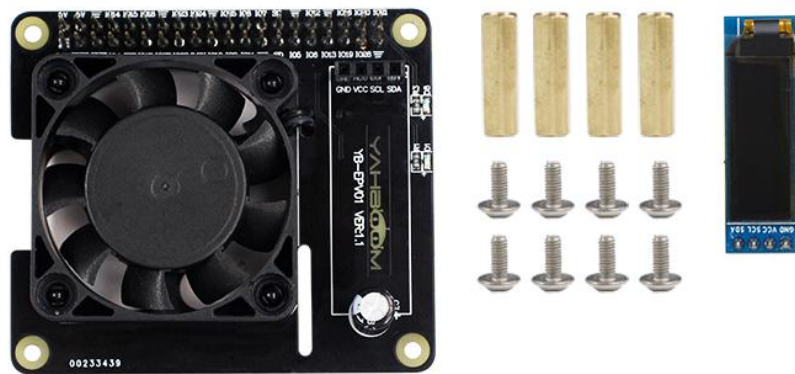
Copper column *4

Screw *8

OLED display *1

Packing list

Expansion board with OLED display



Tutorial:

[Yahboom Raspberry Pi RGB cooling HAT](#)