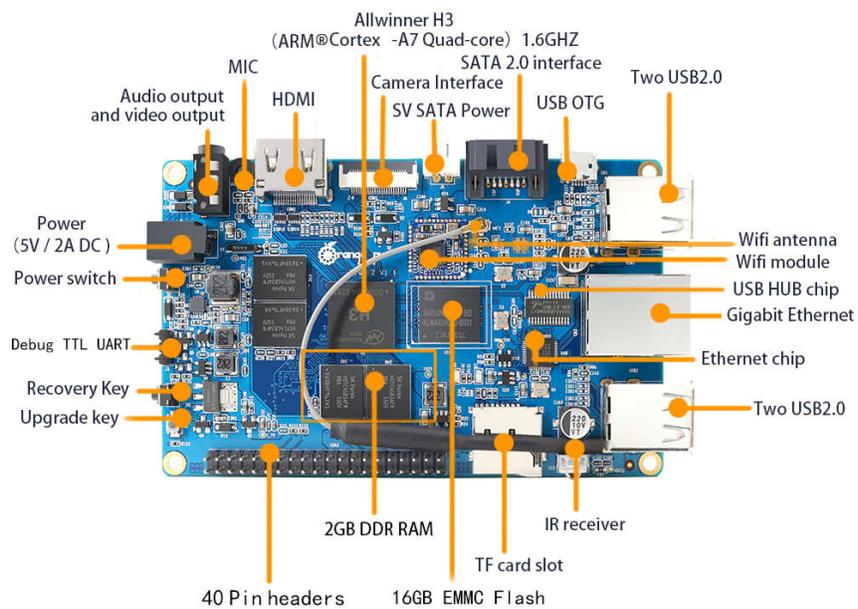# Orange Pi Plus2

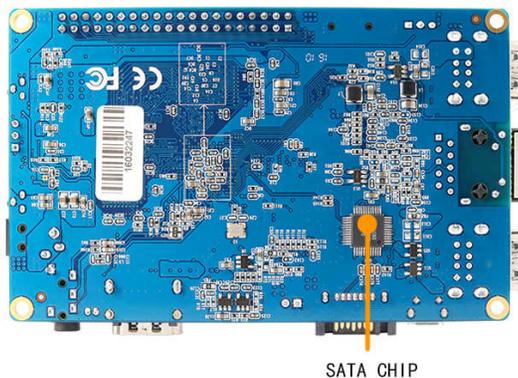## What's Orange Pi Plus2？

It's an open-source single-board computer. It can run Android 4.4 , Ubuntu, Debian, Raspbian Image, it uses the AllWinner H3 SoC, and has 2GB DDR3 SDRAM

**Top view**



**Bottom view**

# What can I do with Orange Pi Plus2?

Build…

- A computer
- A wireless server
- Games
- Music and sounds
- HD video
- A speaker
- Android
- Scratch
- Pretty much anything else, because Orange Pi Plus2 is open source

# Who's it for?

Orange Pi Plus2 is for anyone who wants to start creating with technology – not just consuming it. It's a simple, fun, useful tool that you can use to start taking control of the world around you.

# Hardware specification

| | |
|---|---|
| CPU | H3 Quad-core Cortex-A7 H.265/HEVC 4K |
| GPU | ·Mali400MP2 GPU @600MHz<br>·Supports OpenGL ES 2.0 |
| Memory (SDRAM) | 2GB DDR3 (shared with GPU) |
| Onboard Storage | TF card (Max. 32GB) / MMC card slot , up to 2T on 2.5 SATA disk<br>16GB EMMC Flash |
| Onboard Network | 10/100/1000M Ethernet RJ45 |
| Onboard WIFI | Realtek RTL8189ETV, IEEE 802.11 b/g/n |

| | |
|---|---|
| Video Input | A CSI input connector Camera: |
| | Supports 8-bit YUV422 CMOS sensor interface |
| | Supports CCIR656 protocol for NTSC and PAL |
| | Supports SM pixel camera sensor |
| | Supports video capture solution up to 1080p@30fps |
| Audio Input | MIC |
| Video Outputs | Supports HDMI output with HDCP |
| | Supports HDMI CEC |
| | Supports HDMI 30 function |
| | Integrated CVBS |
| | Supports simultaneous output of HDMI and CVBS |
| Audio Output | 3.5 mm Jack and HDMI |
| Power Source | DC input can supply power, but USB OTG input don't supply power |
| USB 2.0 Ports | Four USB 2.0 HOST, one USB 2.0 OTG |
| Buttons | Power Button(SW4), Recovery Button(SW3), Uboot Button(SW2) |
| Low-level peripherals | 40 Pins Header,compatible with Raspberry Pi B+ |

| | |
|---|---|
| GPIO(1x3) pin | UART, ground. |
| LED | Power led & Status led |
| Other | IR input |
| Supported OS | Android, Ubuntu, Debian, Raspbian Image |

## Interface definition

| | |
|---|---|
| Product size | 108mm × 67mm |
| Weight | 83g |