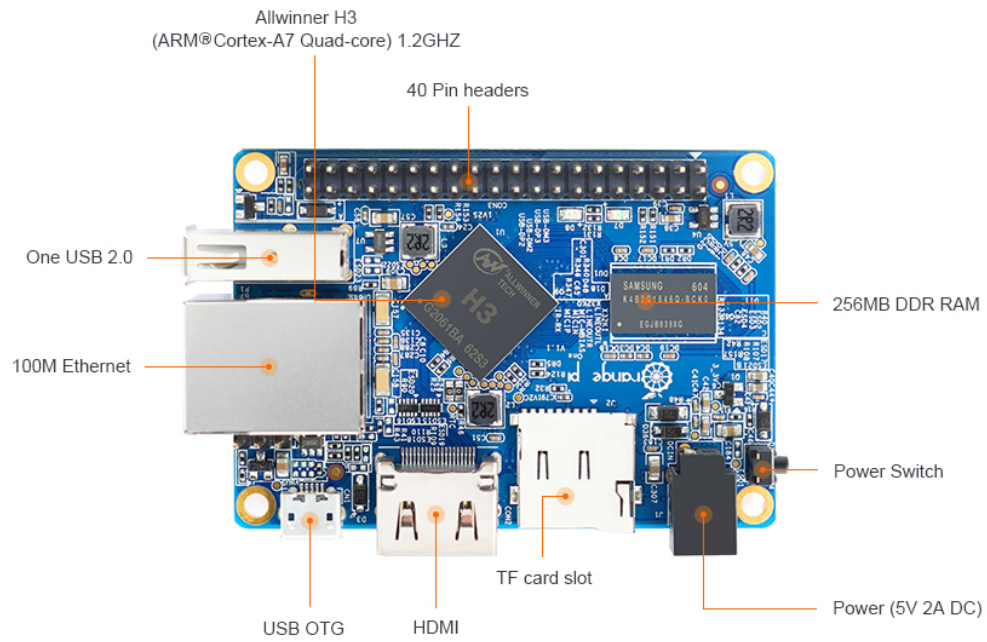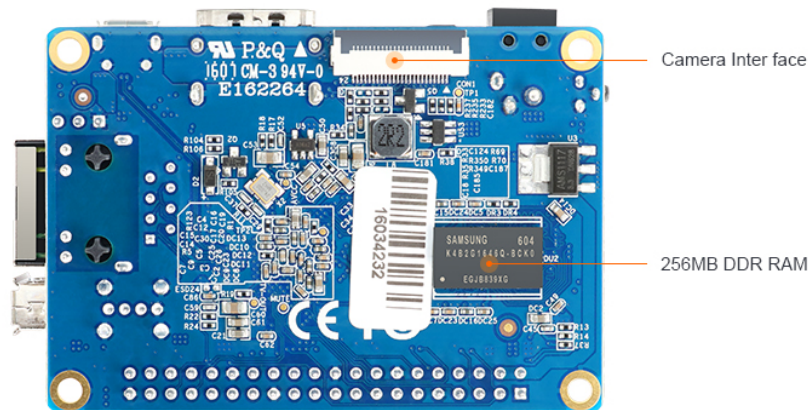## What's Orange Pi One ?

It's an open–source single–board computer. It can run Android 4.4, Ubuntu, Debian, Image. It uses the AllWinner H3 SoC, and has 512MB DDR3 SDRAM

Top view

Allwinner H3
(ARM®Cortex-A7 Quad-core) 1.2GHZ

40 Pin headers

One USB 2.0

256MB DDR RAM

100M Ethernet

Power Switch

TF card slot

Power (5V 2A DC)

USB OTG

HDMI

Camera Inter face

256MB DDR RAM

What can I do with Orange Pi One ?

You can use it to build···

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

Who's it for?

Orange Pi One 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 • Supports OpenGL ES 2.0
Memory (SDRAM)	512MB DDR3 (shared with GPU)
Onboard Storage	TF card (Max. 64GB) / MMC card slot
Onboard Network	10/100 Ethernet RJ45
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	No
Video Outputs	Supports HDMI output with HDCP Supports HDMI CEC Supports HDMI 30 function
Audio Output	HDMI
Power Source	DC input, USB OTG input don't supply power
USB 2.0 Ports	One USB 2.0 HOST, one USB 2.0 OTG
Buttons	Power button
Low–level peripherals	40 Pins Header
GPIO(1x3) pin	UART, ground.
LED	Power led & Status led
Key	POW
Supported OS	Android Lubuntu, Debian

Interface definition

Product size	69mm × 48mm
Weight	36g