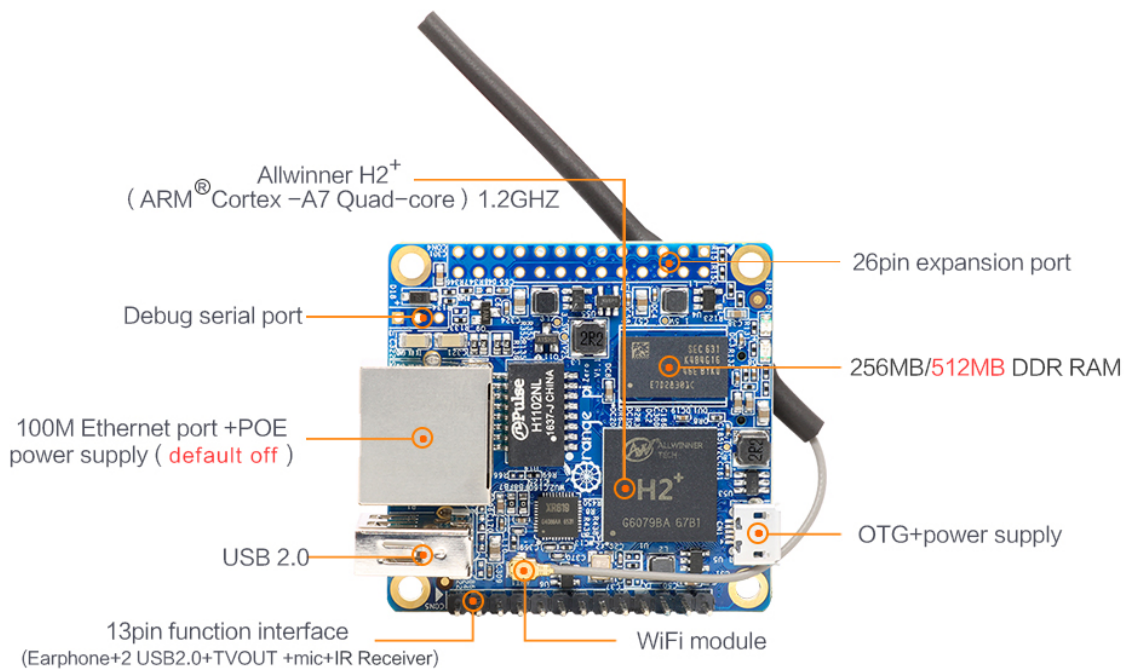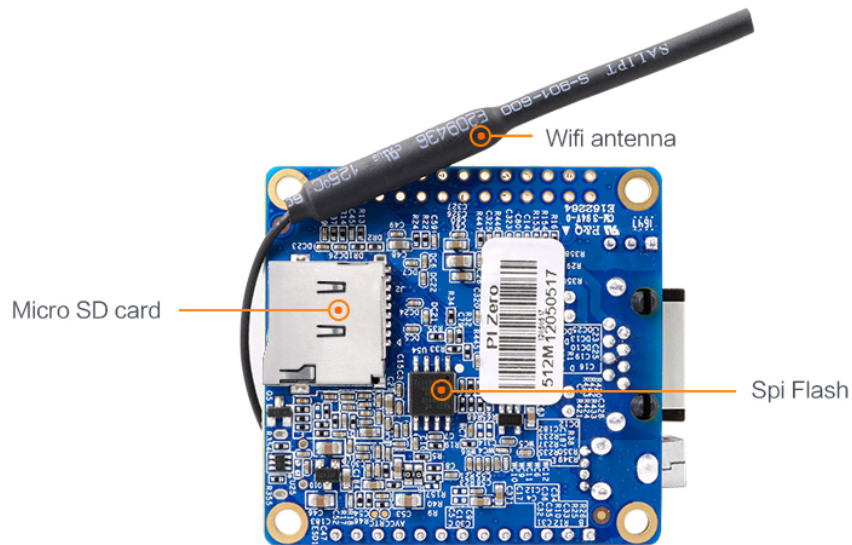It's an open-source single-board computer. It can run Android 4.4, Ubuntu, Debian. It uses the AllWinner H2 SoC, and has 256MB/512MB DDR3 SDRAM(512MB version is Standard version).

Top view

Allwinner H2$^+$
（ARM$^®$Cortex −A7 Quad−core）1.2GHZ

Debug serial port

100M Ethernet port +POE
power supply (default off)

USB 2.0

13pin function interface
(Earphone+2 USB2.0+TVOUT +mic+IR Receiver)

26pin expansion port

256MB/512MB DDR RAM

OTG+power supply

WiFi module

Wifi antenna

Micro SD card

Spi Flash

Who's it for?

Orange Pi Zero 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.

What can I do with Orange Pi Zero?

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 Zero is open source

Hardware specification:

CPU	H2 Quad-core Cortex-A7 H.265/HEVC 1080P
GPU	Mali400MP2 GPU @600MHz, Supports OpenGL ES 2.0
Memory (SDRAM)	256MB/512MB DDR3 (256MB is Standard version)
Onboard Network	100M/10M Ethernet RJ45 (POE is default off)
Onboard WIFI	XR819, IEEE 802.11 b/g/n
Onboard Storage	10class TF Card (Max64GB）, 2MB SPI Flash
Video Outputs	Supports external board via 13pins
Power Source	USB OTG can supply power
USB 2.0 Ports	One USB 2.0 HOST, one USB 2.0 OTG
Buttons	Power button
Low-level peripherals	26 Pins Header, compatible with Raspberry Pi B+
	13 Pins Header, with 2x USB, IR pin, AUDIO(MIC, AV)
GPIO(1x3) pin	UART, ground
LED	Power led & Status led
Supported OS	Android, Ubuntu, Debian,Armbian

Interface definition:

Product size	46mm × 48mm
Weight	26g