

# Orange Pi Zero LTS 256MB

## I. Orange Pi Introduction

### 1. What is Orange Pi Zero LTS 256MB?

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 DDR3 SDRAM, low running temperature and low power consumption.

### 2. What can I do with Orange Pi Zero LTS 256MB?

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 LTS 256MB is open source.

### 3. Whom is it for?

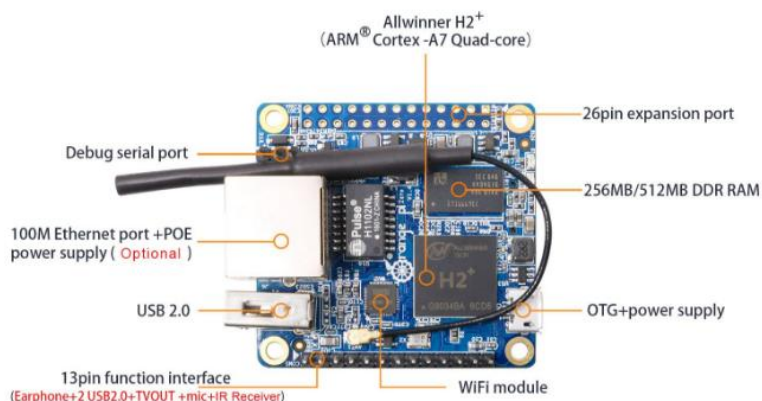
Orange Pi Zero LTS 256MB is for anyone who wants to create with technology– not just consuming. It's a simple, fun, useful tool and you can use it to take control of the world around you.

## 4. Hardware specification of Orange Pi Zero LTS 256MB

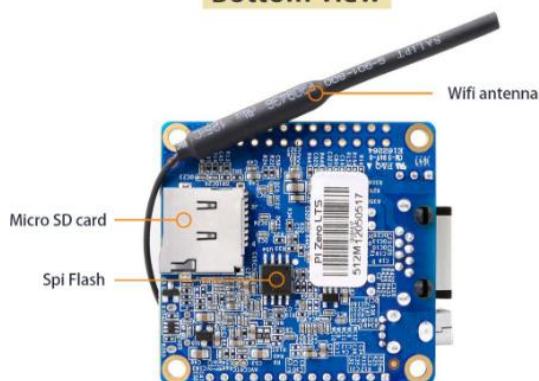
Hardware specification	
CPU	H2 Quad-core Cortex-A7 H.265/HEVC 1080P.
GPU	Mali400MP2 GPU @600MHz Supports OpenGL ES 2.0
Memory (SDRAM)	256MB DDR3 SDRAM(Share with GPU)
Onboard Storage	TF card (Max. 32GB)/ 2MB Spi Flash
Onboard Network	10/100M Ethernet RJ45 POE is default off.
Onboard WIFI	XR819, IEEE 802.11 b/g/n
Audio Input	MIC
Video Outputs	Supports external board via 13pins
Power Source	USB OTG can supply power
USB 2.0 Ports	Only One USB 2.0 HOST, one USB 2.0 OTG
Buttons	Power button
Low-level peripherals	26 Pins Header, 13 Pins Header, with 2x USB, IR pin, AUDIO (MIC, AV)
LED	Power led & Status led
Supported OS	Android, Lubuntu, Debian Image
Interface definition	
Product size	48 mm × 46mm
Weight	26g

### Interface instructions

**Top view**



**Bottom view**



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment

generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

FCC ID: 2AQ9Y-ZEROLTS