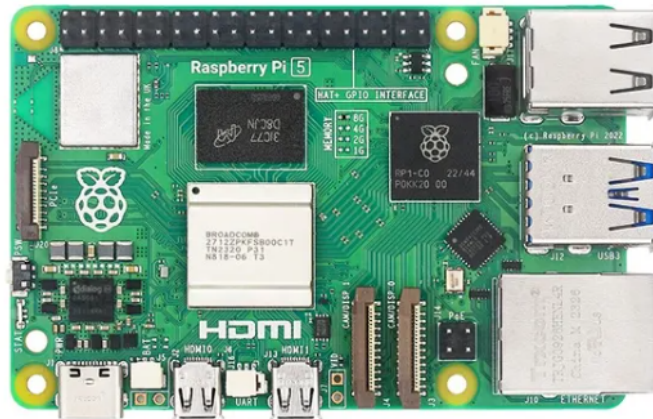


## CPU and RAM

**Price 5.02.24**

### Original Raspberry Pi 5, BCM2712 2.4GHz, 4/8GB RAM LPDDR4X

<https://www.aliexpress.com/item/1005006416669599.html>



Golang SHA256 Benchmark CPU Test: **? ms**

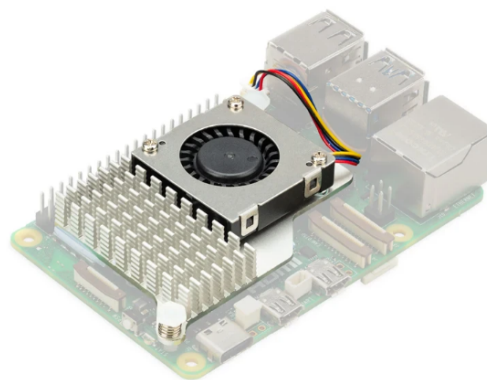
**BCM2712** - 2.4GHz 4-core Cortex-A76 CPU, 512KB per-core L2 caches and a 2MB shared L3 cache  
LPDDR4X-4267 SDRAM (options for 4/8GB)

4GB RAM - US \$106.56 (Free Shipping)

8GB RAM - US \$135.90 (Free Shipping)

## Raspberry Pi 5 Active Cooler

<https://www.aliexpress.com/item/1005006295924098.html>



US \$5.93 (Shipping: US \$1.99, or free over US \$10.00)

(4GB RAM)  $107 + 6 + 2 = \mathbf{115\$}$

(8GB RAM)  $136 + 6 + 2 = 144\$$

**NanoPi NEO3, Rockchip RK3328 1.5GHz, 1/2GB DDR4 RK3328 4-core Cortex A53**

<https://www.aliexpress.com/item/1005001500464411.html>



Golang SHA256 Benchmark CPU Test: **77ms**

**Rockchip RK3328** - 1.5GHz 4-core ARM Cortex-A53, GPU 2x ARM Mali-450  
DDR4-2133 SDRAM (options for 1/2GB)

1GB RAM - US \$41.96 (Shipping: US \$6.77)

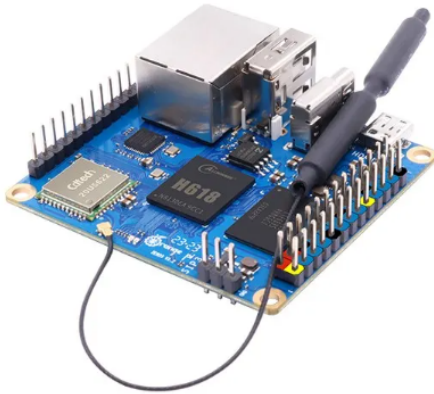
2GB RAM - US \$46.80 (Shipping: US \$6.77)

(1GB RAM) 42 + 7 = **49\$**

(2GB RAM) 47 + 7 = **54\$**

**Orange Pi Zero 3, Allwinner H618 1.5GHz, 1/2/4GB RAM LPDDR4**

<https://www.aliexpress.com/item/1005005885372514.html>



Golang SHA256 Benchmark CPU Test: **106ms**

**Allwinner H618** - 1.5GHz 4-core Cortex-A53, 1MB per-core L2 caches, GPU Mali-G31 MP2  
DDR4-2133 SDRAM (options for 1/1.5/2/4GB)

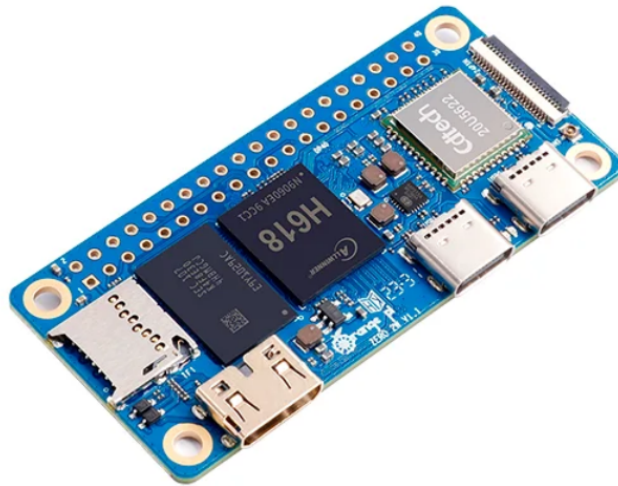
1GB RAM - US \$31.07 (Free Shipping)

2GB RAM - US \$40.71 (Free Shipping)

4GB RAM - US \$47.08 (Free Shipping)

## Orange Pi Zero 2 W, Allwinner H618 1.5GHz, 1/2/4GB RAM LPDDR4

<https://www.aliexpress.com/item/1005006016355138.html>



Golang SHA256 Benchmark CPU Test: **? ms**

**Allwinner H618** - 1.5GHz 4-core Cortex-A53, 1MB per-core L2 caches, GPU Mali-G31 MP2  
DDR4-2133 SDRAM (options for 1/2/4GB)

1GB RAM - US \$15.61 (Shipping US \$7.01)

2GB RAM - US \$22.87 (Shipping US \$7.01)

4GB RAM - US \$27.83 (Shipping US \$7.01)

## Raspberry Pi Zero 2 W Aluminum Case Armored Shell with Thermal Pad Heatsink Passive Cooling

<https://www.aliexpress.com/item/1005003845575315.html>



US \$4.38 (Shipping: US \$1.99, or free over US \$10.00)

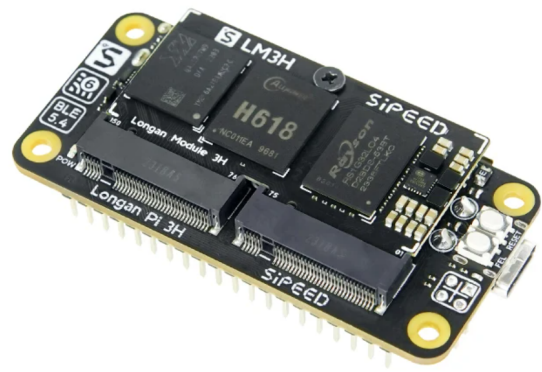
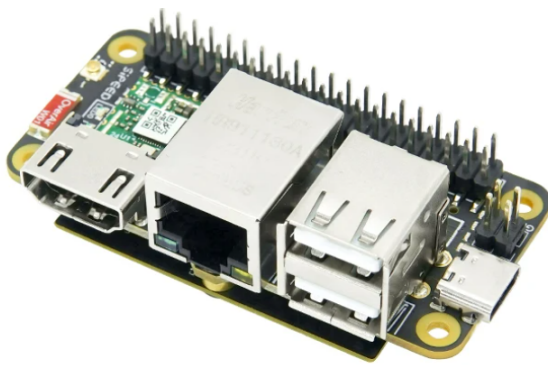
(1GB RAM)  $16 + 7 + 4 + 2 =$  **29\$**

(2GB RAM)  $23 + 7 + 4 + 2 =$  **36\$**

(4GB RAM)  $28 + 7 + 4 + 2 =$  **41\$**

## Sipeed Longan Pi3H Allwinner H618 Development Board 4K TV Box WIFI6 LPi3H

<https://www.aliexpress.com/item/1005006390912599.html>



Golang SHA256 Benchmark CPU Test: **? ms**

**Allwinner H618** - 1.5GHz 4-core Cortex-A53, 1MB per-core L2 caches, GPU Mali-G31 MP2  
LPDDR4-2133 SDRAM (options for 2/4GB)

**SiPEED**

- ✓ Quad-core A53 processor
- ✓ 2GB/4GB LPDDR4
- ✓ 0GB/32GB eMMC
- ✓ Gigabit Ethernet
- ✓ Dual-band WIFI6+BLE5.4
- ✓ HDMI/2\*USBA/1\*USBC

**Longan Pi 3H**

**32GB eMMC**



**2GB LPDDR4**



**4GB LPDDR4**



LM3H	- 2GB LPDDR4, No eMMC	US \$21.66 (Shipping: US \$6.77)
LPi3H Kit	- 2GB LPDDR4, No eMMC	US \$28.92 (Shipping: US \$6.77)
LPi3H Kit	- 4GB LPDDR4, No eMMC	US \$36.18 (Shipping: US \$6.77)
LPi3H Kit	- 4GB LPDDR4, 32GB eMMC	US \$42.23 (Shipping: US \$6.77)

(LPi3H Kit 4GB RAM + 32GB eMMC) 42 + 7 = **49\$**  
 (LM3H 2GB RAM) 22 + 7 = **29\$**

### Transpeed Allwinner H618 Android 13 TV Box

<https://www.aliexpress.com/item/1005006102345915.html>



### Обсуждение HK1/Vontar/Transpeed H618

<https://4pda.to/forum/index.php?showtopic=1061325>

Golang SHA256 Benchmark CPU Test: ? ms

**Allwinner H618** - 1.5GHz 4-core Cortex-A53, 1MB per-core L2 caches, GPU Mali-G31 MP2

RAM DDR3 (options for 2/4GB)

ROM eMMC (options for 16/32/64/128GB)

2GB DDR3 + 16GB eMMC

US \$20.40 (Free shipping)

4GB DDR3 + 64GB eMMC

US \$23.74 (Free shipping)