

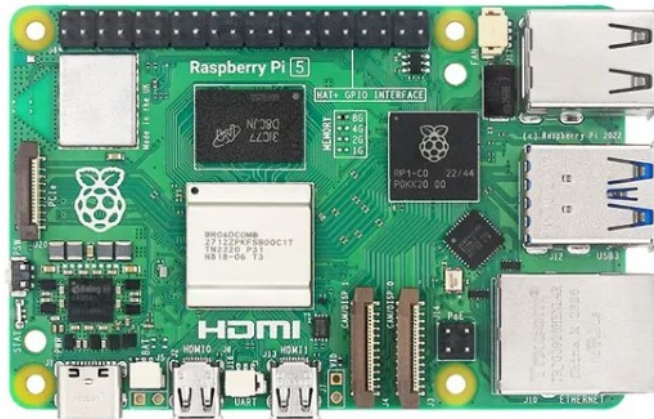
Test Mini PC

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

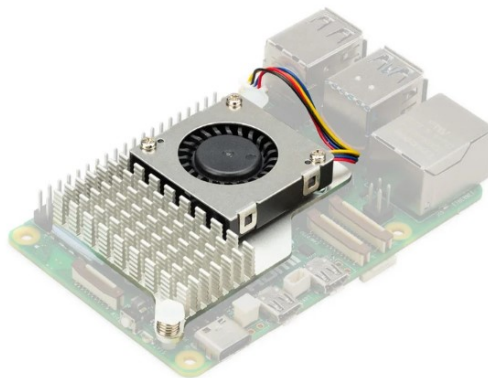
BCM2712 - 2.4GHz 4-core Cortex-A76 CPU, 512KB per-core L2 caches and a 2MB shared L3 cache
LPDDR4X-4267 SDRAM (options for 4/8GB)

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 = **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: **715ms**

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: **990ms**

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)

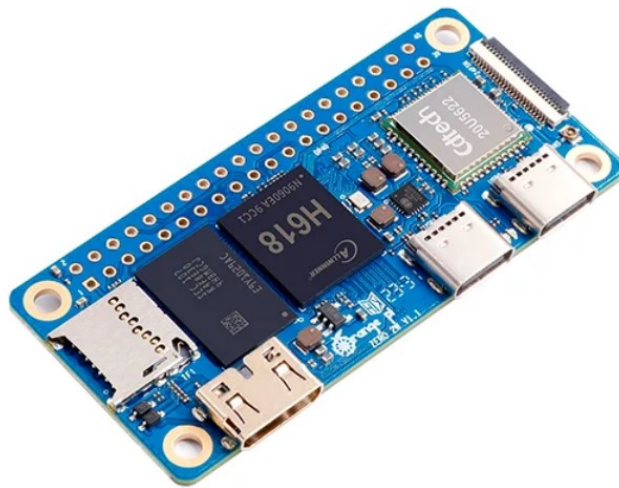
1GB RAM - US \$31.07 (Free Shipping)

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

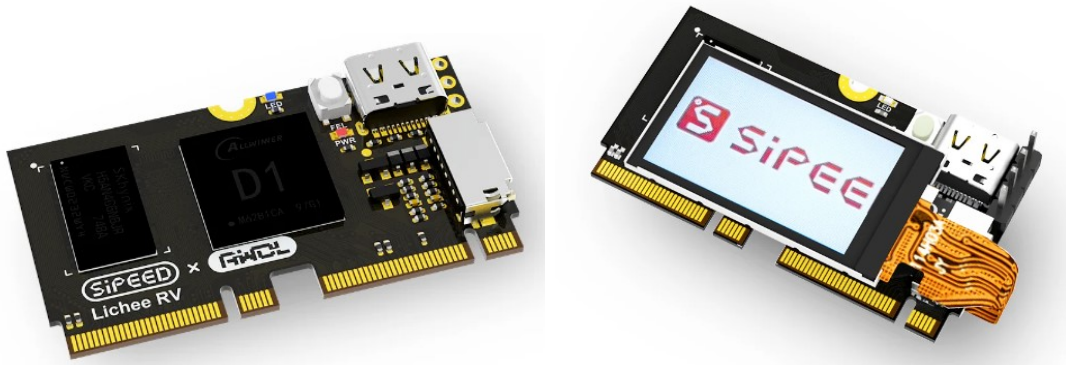
US \$20.40 (Free shipping)

4GB DDR3 + 64GB eMMC

US \$23.74 (Free shipping)

Sipeed Licheerv-Nezha Allwinner D1 C906 RISC-V Core Board

<https://www.aliexpress.com/item/1005003612000386.html>



Обзор модуля Sipeed Lichee RV на процессоре Allwinner D1

<https://habr.com/ru/companies/timeweb/articles/649327/>

Golang SHA256 Benchmark CPU Test: ? ms

Allwinner D1 XuanTie C906 RISC-V 1GHz

RAM 512MB DDR3

(Sipeed Licheerv-Nezha, 512MB DDR3, LCD No)

US \$23.27 (Free shipping)

(Sipeed Licheerv-Nezha, 512MB DDR3, LCD Yes)

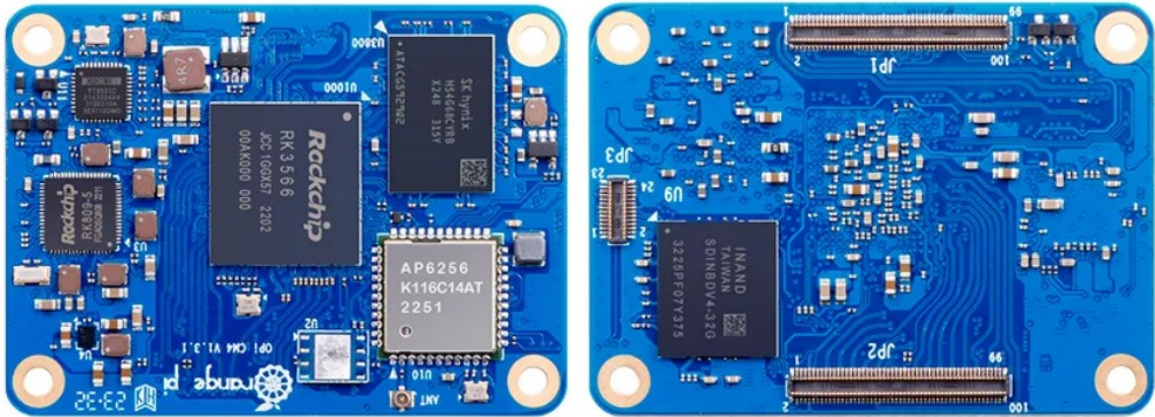
US \$28.74 (Free shipping)

(MangoPi MQ-Pro, Allwinner D1, 1GB DDR3)

US \$36.48 (Free shipping)

Orange Pi CM4, Rockchip RK3566, 1/2/4/8GB LPDDR4/4X, 8/32/64GB eMMC

<https://www.aliexpress.com/item/1005005987093489.html>



Base Board



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

Rockchip RK3566 - 1.8GHz 4-core ARM Cortex-A55, GPU ARM Mali-G72

RAM LPDDR4/4X SDRAM (options for 1/2/4GB)

ROM eMMC (options for 8/32/64GB)

1GB RAM, 8GB eMMC	US \$27.71 (Shipping: US \$7.99)
2GB RAM, 32GB eMMC	US \$34.97 (Shipping: US \$7.99)
4GB RAM, 32GB eMMC	US \$41.02 (Shipping: US \$9.68)
(+ Base Board) 8GB RAM, 64GB eMMC	US \$66.43 (Shipping: US \$9.68)

(1GB RAM, 8GB eMMC)	28 + 8	= 36\$
(2GB RAM, 32GB eMMC)	35 + 8	= 43\$
(4GB RAM, 32GB eMMC)	41 + 10	= 51\$
(+ Base Board) (8GB RAM, 64GB eMMC)	67 + 10	= 77\$

Transpeed Android 13 TV Box Rockchip RK3528
<https://www.aliexpress.com/item/1005005979031456.html>



Обсуждение HK1 RBOX-K8, Woopker K52, Vontar R3, DQ08*: (Rockchip RK 3528)
<https://4pda.to/forum/index.php?showtopic=1077600>

Golang SHA256 Benchmark CPU Test: ? ms

Rockchip RK3528 - 1.5GHz 4-core ARM Cortex-A53, GPU 2x ARM Mali-450
DDR3 SDRAM (options for 1/2/4GB)

4GB DDR3 RAM, 64GB eMMC

US \$21.60 (Free shipping)

<https://github.com/foxjony/sha256-benchmark>