

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**

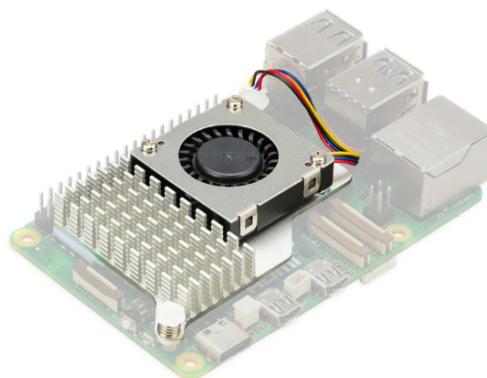
BCM2712 - 2.4GHz 4-core Cortex-A76 CPU, 512KB per-core L2 caches and a 2MB shared L3 cache
LPDDR4X-4267 SDRAM (options for 4/8GB)

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>

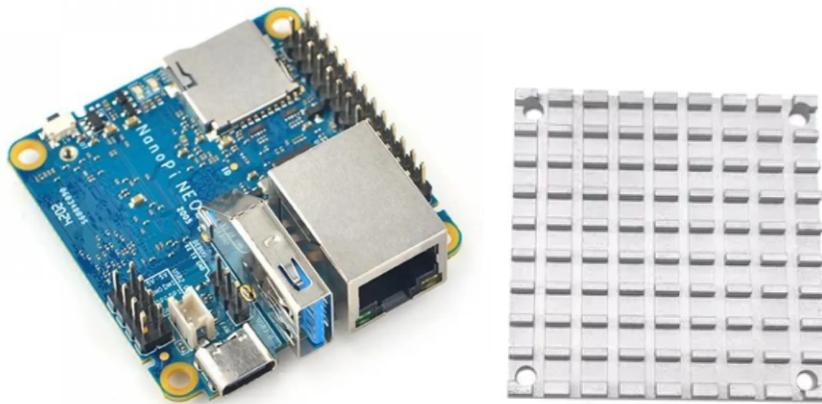


US \$5.93 (Shipping: US \$1.99, or free over US \$10.00)

(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: **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>



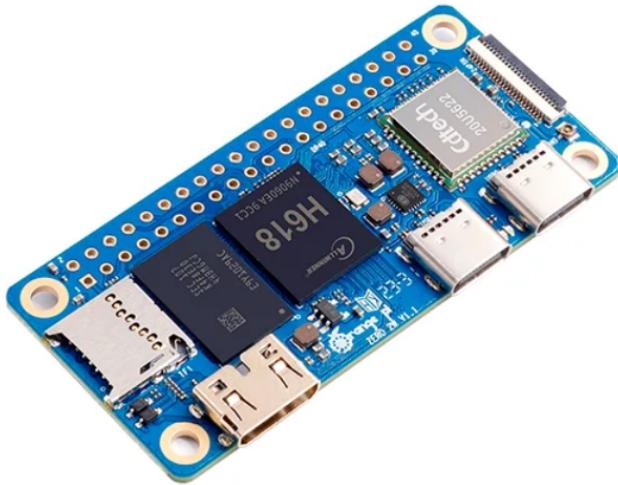
Golang SHA256 Benchmark CPU Test: **106ms**

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>



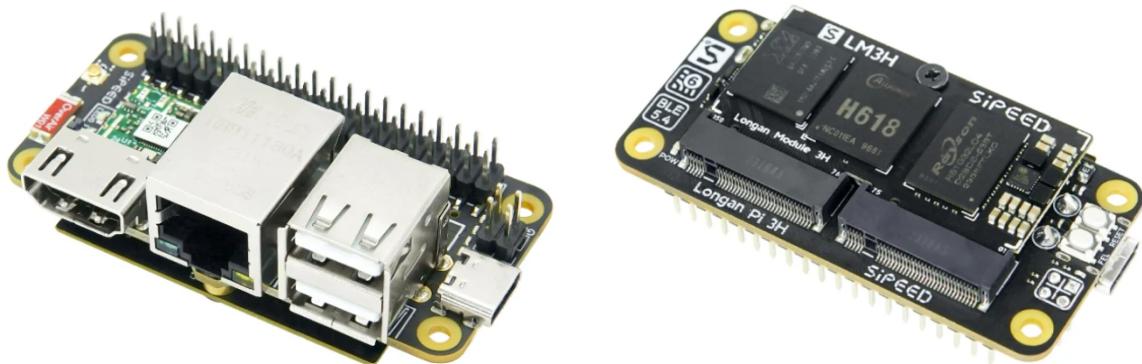
US \$4.38 (Shipping: US \$1.99, or free over US \$10.00)

(1GB RAM) $16 + 7 + 4 + 2 = \mathbf{29\$}$

(2GB RAM) $23 + 7 + 4 + 2 = \mathbf{36\$}$

(4GB RAM) $28 + 7 + 4 + 2 = \mathbf{41\$}$

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\$**
(LPi3H 2GB RAM) 22 + 7 = **29\$**

Transpeed Allwinner H618 Android 13 TV Box
<https://www.aliexpress.com/item/1005006102345915.html>



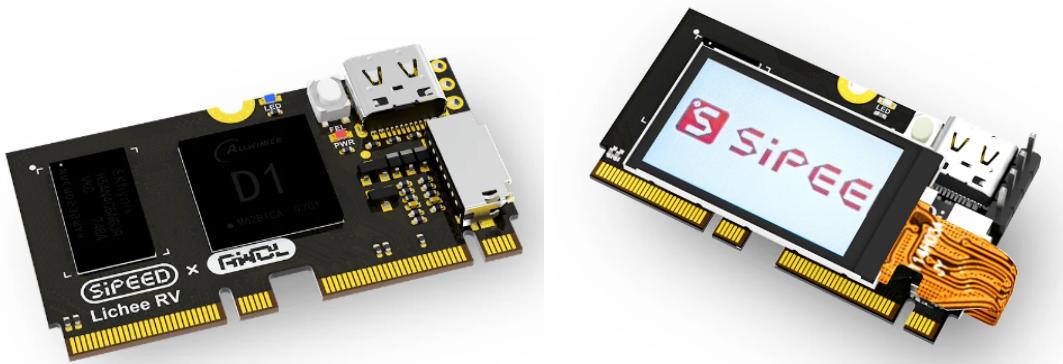
Обсуждение HK1/Vontar/Transpeed H618
<https://4pda.to/forum/index.php?showtopic=1061325>

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/>

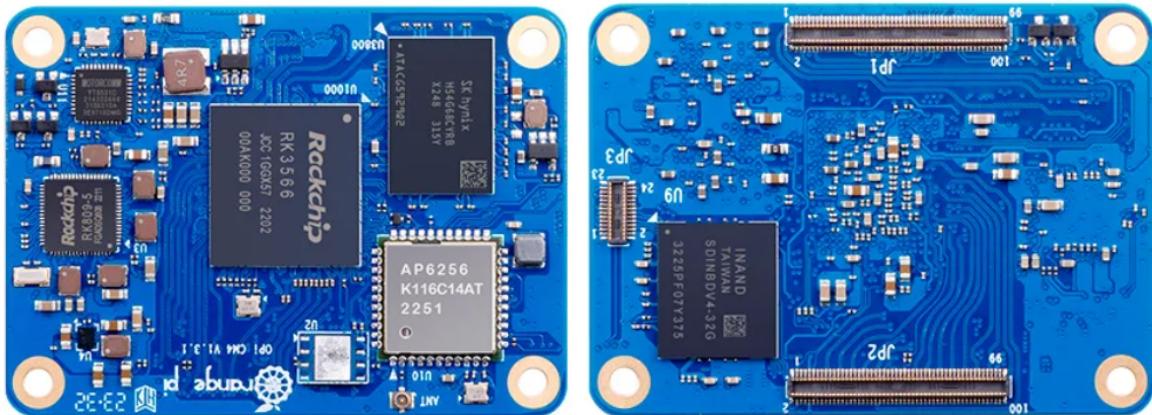
Golang SHA256 Benchmark CPU Test: **? ms**

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\$