



AliExpress

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Miyconst Hardware



Support your local business.
AliExpress delivery is not free.
China is turning into an aggressive
dictatorship.

How the Hell can China Ship for Free to your Door??!?
<https://youtu.be/BA6gDep6jVM?si=REmezWoYk2MpZqAC>



I am not in any way related to the linked stores, but if you use my links, AliExpress itself, not the stores, may pay me a few cents.



AliExpress is NOT a safe place.
Skip stores with <90% positive feedback.
Be careful with <95% positive feedback.
Always record unboxing videos.
Always take high resolution pictures.

AMD AM5



CPU:

- [Ryzen 5 7500F](#): -€160, 6 Cores, <= 5.0 GHz, 32 MB L3 Cache, **no iGPU**.
- [Ryzen 7 7700](#): -€205, 8 Cores, <= 5.3 GHz, 32 MB L3 Cache, **iGPU**.
- [Ryzen 5 8400F](#): **-€100**, 6 Cores, <= 4.7 GHz, 16 MB L3 Cache, **no iGPU**.
- [Ryzen 5 8600G](#): -€195, 6 Cores, <= 5.0 GHz, 16 MB L3 Cache, **strong iGPU**.

Motherboard:

- [Huananzhi B650M-B Pro](#): -€88, mATX, B650, OK VRM, OK connectivity.
- [Maxsun B650M WiFi](#): **-€115**, mATX, B650, OK VRM, **WiFi**.
- [Maxsun B650M WiFi ICE](#): **-€105**, mATX, B650, OK VRM, **WiFi**, White.
- [Maxsun B850ITX](#): -€160, mITX, B850, OK VRM, **WiFi**, **FP USB-C**.

Notes:

- DDR5-6000 CL36 is the lowest I would go with AM5.
- **Chinese AM5 motherboards and DDR5 RAM were not yet tested by me.**



Intel LGA 1700



CPU:

- [Core i3-12100F](#): -€63, 4 Cores, <= 4.3 GHz, 12 MB L3 Cache.
- [Core i5-12400F](#): -€122, 6 Cores, <= 4.4 GHz, 18 MB L3 Cache.
- [Core i5-12490F](#): -€132, 6 Cores, <= 4.6 GHz, 20 MB L3 Cache.

Motherboard:

- [Maxsun B760M](#): -€105, mATX, B760, DDR4, 12/13/14th, OK VRM.
- [Maxsun B760ITX D5](#): -€125, mITX, B760, DDR5, 12/13/14th, 2.5 GbE, OK VRM.
- [Huananzhi H610M](#): -€63, mATX, H610, DDR4, bare minimum.
- [Huananzhi B760M D4](#): -€92, mATX, B760, DDR4, OK VRM, OK connectivity.
- [SOYO H610M-R](#): -€77, mATX, H610, DDR4, bare minimum.

Notes:

- DDR4-3200 / DDR5-5600 is the lowest I would go with LGA 1700.
- Do not buy 12th gen ES CPUs, the CPU PCI-E lanes do not work.



AMD AM4



CPU:

- [Ryzen 5 3500X](#): ~€48, 6 Cores, **no SMT**, <= 4.1 GHz, 32 MB L3 Cache.
- [Ryzen 5 3600](#): ~€66, 6 Cores, <= 4.2 GHz, 32 MB L3 Cache.
- [Ryzen 5 5600](#): ~€97, 6 Cores, <= 4.4 GHz, 32 MB L3 Cache.
- [Ryzen 7 5700X](#): ~€120, 8 Cores, <= 4.6 GHz, 32 MB L3 Cache.
- [Ryzen 7 5700X3D](#): ~€202, 8 Cores, <= 4.1 GHz, **96 MB L3 Cache**.

Motherboard:

- [SOYO SY-Classical B450M](#): ~€54, mATX, B450, bare minimum.
- [Maxsun B550M-Terminator](#): ~€95, mATX, B550, OK VRM & BIOS.
- [ASRock B450M PRO4-CB](#): ~€72, mATX, B450, OK VRM & BIOS, **used**.
- [ASRock X470 Gaming-ITX/ac](#): ~€84, **miniITX**, X470, OK VRM & BIOS, **used**.
- [ASRock B550M Pro SE](#): ~€110, mATX, B550, OK VRM, rich connectivity.

Notes:

- DDR4-3200 is the lowest I would go with AM4, DDR4-3600 is desired.
- **Always ask the seller to flash BIOS compatible with your CPU.**



Graphics Cards (GPU)



AMD Radeon:

- [SOYO RX 580](#): ~€82, 8 GB vRAM.
- [SOYO RX 5700XT](#): ~€175, 8 GB vRAM.
- [SOYO RX 6600M](#): ~€185, 8 GB vRAM.

Nvidia Geforce:

- [MLLSE GTX 1070](#): ~€160, 8 GB vRAM.
- [MLLSE RTX 2060 Super](#): ~€220, 8 GB vRAM.

Notes:

- [Europe-Warehouse.Europe Store](#) / [gpustar.com](#) is a scam.
- AliExpress GPU prices are just really bad, better look on eBay:
- [RTX 2060](#), [RTX 3060](#), [RTX 4060](#), [RX 5700](#), [RX 6600](#), [RX 6700](#).

The image shows a SOYO RX 6600M 8G graphics card and its retail box. The box is black with a green base and features the SOYO logo and product name. The graphics card is white with two large fans and a purple and blue accent. The SOYO logo is visible on the fans.

SOYO
RX 6600M 8G

·Free shipping ·Graphics Card

Intel LGA 2011-3



CPU:

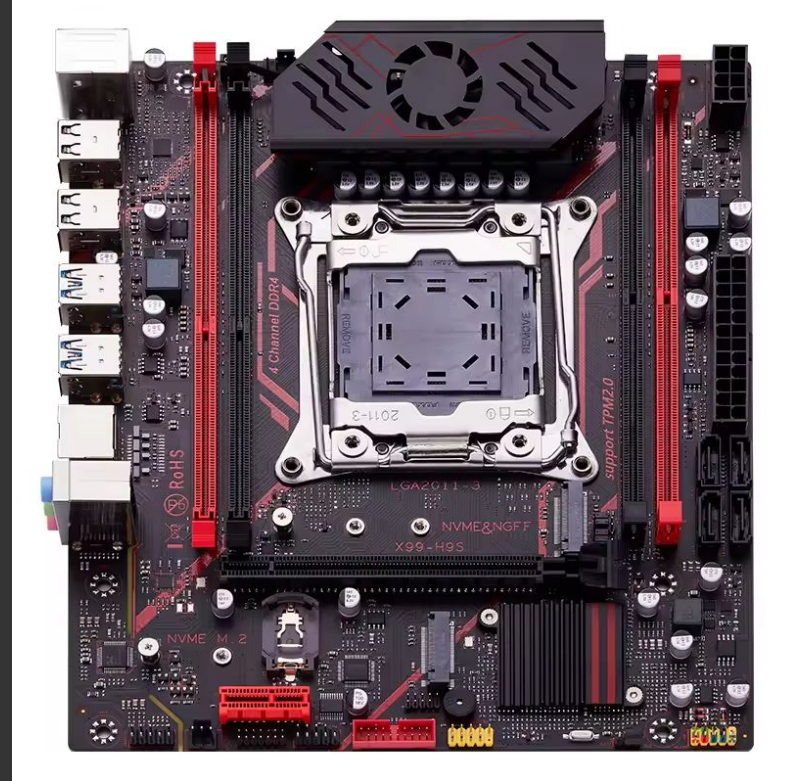
- [Xeon E5-2697 V3](#): -€15, 14 Cores, 3.6 GHz, 35 MB L3 Cache, DDR4-2133.
- [Xeon E5-2680 V4](#): -€16, 14 Cores, <= 3.3 GHz, 35 MB L3 Cache, DDR4-2400.
- [Xeon E5-2667 V4](#): -€30, 8 Cores, <= 3.6 GHz, 25 MB L3 Cache, DDR4-2400.
- [Xeon E5-2690 V4](#): -€37, 14 Cores, <= 3.5 GHz, 35 MB L3 Cache, DDR4-2400.
- [Xeon E5-2697A V4](#): -€65, 16 Cores, <= 3.6 GHz, 40 MB L3 Cache, DDR4-2400.

Motherboard:

- [Qiyida X99-H9S](#): -€50, mATX, B85, OK VRM, decent BIOS, **TPM 2.0**.
- [Machinist X99-MR9A](#), [Pro](#): -€52, ATX, B85, OK VRM, Connectivity.

Notes:

- You do not need moar Cores for virtualization or rendering!
- Please stop buying dual socket boards unless you really need it!
- H610 + i3-12100F or B450 + R5 3500X/3600 is better for most users.
- [Dell T5810](#) and [HP Z440](#) workstations can often be found for very cheap.



RAM:

DDR4 ECC REG RAM:

- [Kllisre 2 x 8GB DDR4-2133 ECC REG](#): -€21.
- [Kllisre 2 x 16GB DDR4-2133 ECC REG](#): -€32.
- [Samsung DDR4 ECC REG](#): -€20-200.

DDR4 RAM:

- [Kingston 16/32/64GB DDR4-3200](#): -€33/62/150.
- [KingBank 16/32GB DDR4-3200](#): -€32/45.
- [KingBank 32GB DDR4-3600](#): -€54.

DDR5 RAM:

- [KingBank 32GB DDR5-6000](#): -€85.
- [Asgard 32GB DDR5-6000](#): -€110.

Notes:

- 4/8-bank DDR4 UDIMM is not compatible with X99.
- Do not buy high speed ECC REG RAM, it's OCed DDR4-2133.
- OEM workstations require native, not XMP, speed.



AMD EPYC & Intel LGA 3647



LGA 3647:

- [Dell T7820/T7920](#): ~€500, **quality**, Dual CPU, <=165W, **no tweaking**.
- [Intel S2600](#): ~€350, dual CPU, E-ATX, CPU compatibility, **no tweaking**.
- [Supermicro X11SPI-TF](#): ~€300, ATX, **BIOS from iEngineer**.
- [Xeon Gold 6138](#): **-€20**, 20 Cores, <= 3.7 GHz, 27.5 L3 Cache, DDR4-2666, **125 W**.
- [Xeon Gold 6150](#): ~€110, 18 Cores, <= 3.7 GHz, 24.75 L3 Cache, DDR4-2666, 165 W.
- [Xeon Gold 8275CL](#): ~€325, 24 Cores, <= 3.9 GHz, **35.75 L3 Cache**, **DDR4-2933**, **240 W**.

AMD EPYC SP3:

- [EPYC 7K62](#): ~€310, **48 Cores**, <= 3.4 GHz, 256 L3 Cache, DDR4-3200, PCI-E 4.0, 225 W.
- [Supermicro H11SSL-i](#): ~€350, ATX, **revision 1 for EPYC 7001 only**.
- [Huananzhi H12D 8D](#): ~€400, ATX, EPYC 7002/3 only, **not yet tested**.

Notes:

- You just don't need it. Buy only if you really know what it's for.
- My [Huananzhi X11D-16D](#) was defective and their **support is atrocious**.

