mi8

AliExpress

April 2025

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, mIATX, 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-Classic 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, mITX, 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.

SOYO

RX 6600M 8G

·Free shipping ·Graphics Card

I am not in any way related to the linked stores but I may get a few cents from AliExpress/eBay if you use these links.
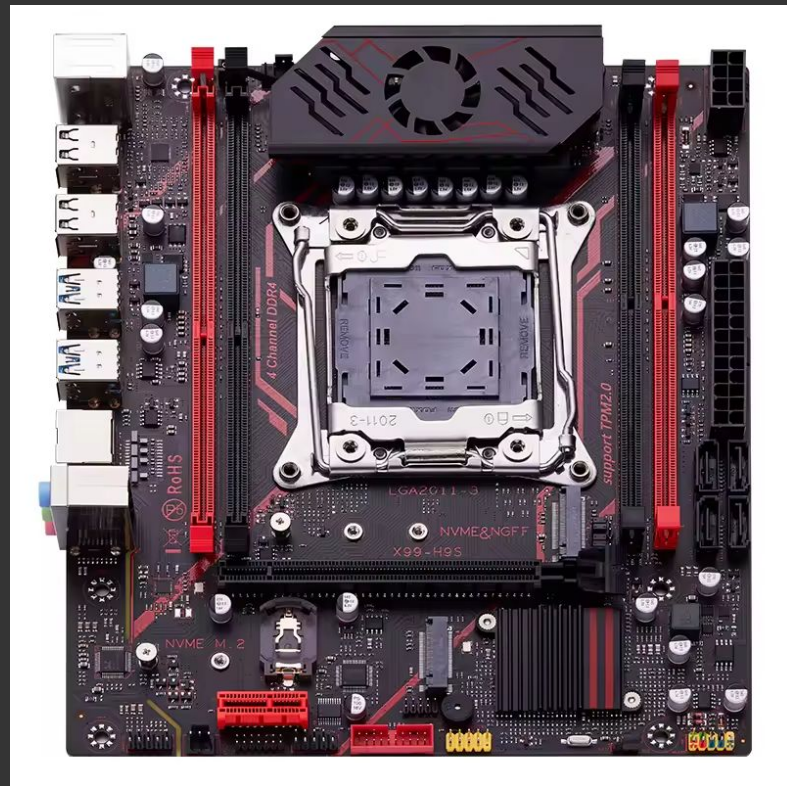
Intel LGA 2011-3

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 Platinum 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.