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AliExpress

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Miyconst Hardware

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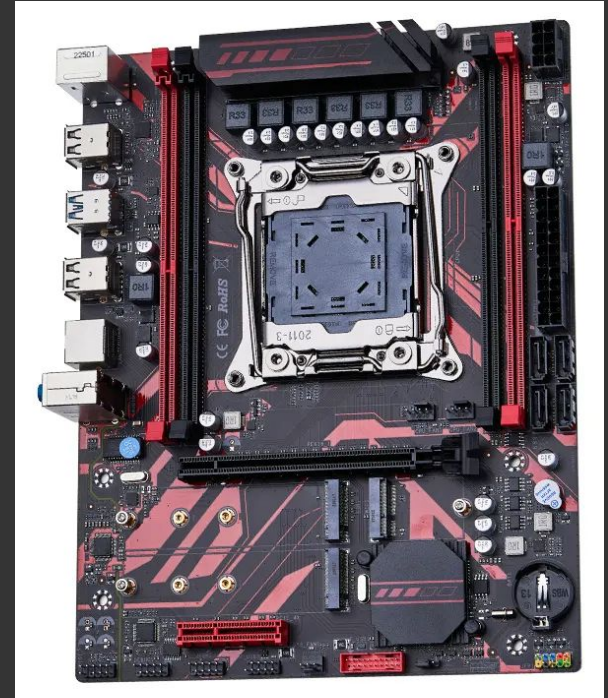Always take high resolution pictures.

Intel LGA 2011-3

CPU:

- [Xeon E5-2666 V3](#): ~€11, 10 Cores, 3.5 GHz, 25 MB L3 Cache, DDR3-2133, DDR4-2133.
- [Xeon E5-2697 V3](#): ~€16, 14 Cores, 3.6 GHz, 35 MB L3 Cache, DDR4-2133.
- [Xeon E5-2667 V4](#): ~€40, 8 Cores, <= 3.6 GHz, 35 MB L3 Cache, DDR4-2400.
- [Xeon E5-2697A V4](#): ~€47, 16 Cores, <= 3.6 GHz, 40 MB L3 Cache, DDR4-2400.
- [Xeon E5-2697 V4](#): ~€51, 18 Cores, <= 3.6 GHz, 45 MB L3 Cache, DDR4-2400.

Motherboard:

- [Machinist X99-RS9](#): ~€49, mATX, B85, weak VRM, X99-8MF BIOS.
- [Machinist X99-K9](#): ~€73, mATX, X99, weak VRM, unknown BIOS.
- [Machinist X99-G7](#): ~€44, mATX, B85, DDR3, weak VRM, X99-8MF BIOS.
- [ERYING X99-D4](#): ~€60, mATX+, B85, DDR4, everything unknown.
- [Machinist X99-MR9A](#), [Pro](#): ~€60, ATX, B85, DDR4, OK VRM, X99-8MF BIOS.
- [JingSha X99-D8i](#): ~€93, ATX, X99, DDR4, works with X99-F8 BIOS, unknown quality.
- Huananzhi [X99-F8](#), [X99-TF](#): ~€110, ATX, X99, DDR4/DDR3, OK VRM, iEngineer BIOS.
- [ERYING X99-D4](#): ~€100, ATX, X99, DDR4, everything unknown.

Intel LGA 1700

CPU:

- [Core i3-12100F](#): ~€85, 4 Cores, <= 4.3 GHz, 12 MB L3 Cache, DDR4-3466, DDR5.
- [Core i5-12490F](#): ~€186, 6 Cores, <= 4.6 GHz, 20 MB L3 Cache, DDR4-3466, DDR5.
- Do not buy 12th gen ES CPUs, the CPU PCI-E lanes do not work.

Motherboard:

- [Huananzhi H610M-Plus](#): ~€60, mATX, H610, OK VRM & BIOS.
- [Huananzhi H610M-ITX](#): ~€80, mITX, H610, OK VRM & BIOS, no WiFi.
- [SOYO H610M-Classic](#): ~€75, mATX, H610, OK VRM & BIOS.
- [Huananzhi B660M-Plus](#): ~€78, mATX, B660, OK VRM & BIOS.
- [Huananzhi B660M-ITX](#): ~€85, mITX, B660, OK VRM & BIOS, no WiFi.
- [Maxsun B760M-Challenger](#): ~€90, ATX, B760, DDR4, OK VRM & BIOS.
- [Kllisre B760M](#): ~€62, mATX, B760, DDR4, everything unknown.
- [Jginyue B760i](#): ~€90, mITX, B760, DDR4, questionable quality & BIOS, no WiFi.
- [ONDA Z790-Plus](#): ~€138, mATX, Z790, DDR4, everything unknown.
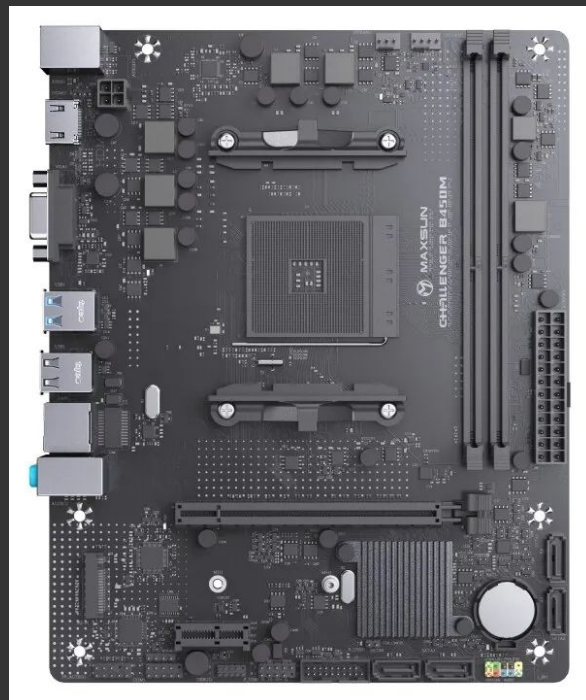- [ERYING B760i](#): ~€55-100, mITX / mATX, H610 / B760, everything unknown.

AMD AM4

CPU:

- [Ryzen 5 3500X](#): ~€55, 6 Cores, no SMT, <= 4.1 GHz, 32 MB L3 Cache, DDR4-3600.
- [Ryzen 5 3600](#): ~€65, 6 Cores, <= 4.2 GHz, 32 MB L3 Cache, DDR4-3600.
- [Ryzen 9 3900X](#): ~€174, 12 Cores, <= 4.6 GHz, 64 MB L3 Cache, DDR4-3600.
- [Ryzen 5 5600](#): ~€117, 6 Cores, <= 4.4 GHz, 32 MB L3 Cache, DDR4-3600.
- [Ryzen 7 5700X](#): ~€160, 8 Cores, <= 4.6 GHz, 32 MB L3 Cache, DDR4-3600.
- Ryzen CPUs are unlocked, +100-300 MHz is possible.

Motherboard:

- [Maxsun B450M-Challenger](#): ~€55, mATX, B450, pathetic VRM.
- [Maxsun B550M-Terminator](#): ~€70, mATX, B550, OK VRM & BIOS.
- [Jginyue B550i](#): ~€97, mITX, B550, DDR4, questionable quality & BIOS, no WiFi.
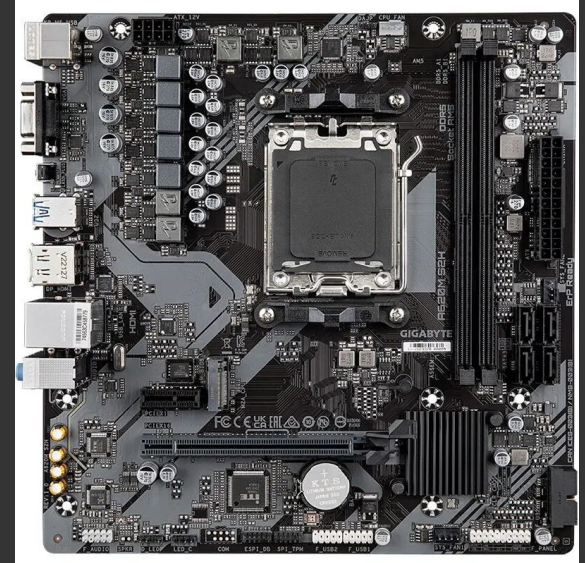
AMD AM5

CPU:
- Ryzen 5 7500F: ~€148, 6 Cores, <= 5.0 GHz, 32 MB L3 Cache, DDR6-6000, no iGPU.
- Ryzen 5 7600X: ~€200, 6 Cores, <= 5.3 GHz, 32 MB L3 Cache, DDR6-6000.

Motherboard:
- Gigabyte A620M-S2H: ~€78, mATX, A620, no VRM radiators.
- Asus TUF A620M-Plus WiFi: ~€170, mATX, A620, OK VRM, WiFi.

DDR5 RAM:
- Gloway 32 GB DDR5-5200: ~€45.
- Corsair 16 GB DDR5-6000: ~€45.

AMD EPYC

CPU:
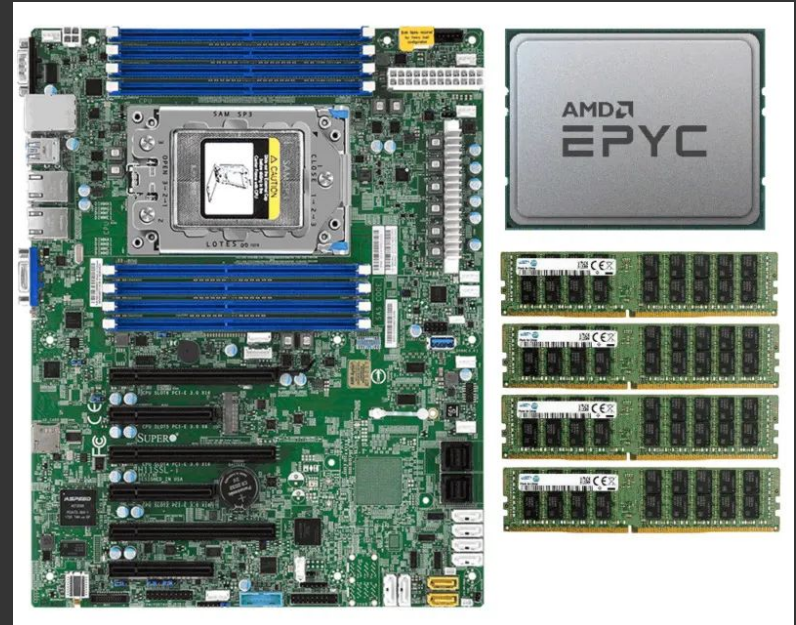- AMD EPYC 7551P: ~€125, 32 Cores, <= 3.0 GHz, 64 MB L3 Cache, DDR4-2666.

Motherboard:
- Supermicro H11SSL-i: ~€244, ATX.
- Supermicro H11DSi: ~€355, E-ATX, Dual-Socket.

Notes:
- I recommend to wait. The prices will go down.
- The first and the second-gen EPYCs are pathetic at gaming.

Graphics Cards (GPU)

AMD Radeon:

- <u>Sapphire RX 590</u>: ~€85, 8 GB vRAM.
- <u>SOYO RX 5700</u>: ~€123, 8 GB vRAM.
- <u>SOYO RX 5700 XT</u>: ~€142, 8 GB vRAM.
- <u>SOYO RX 6600</u>: ~€167, 8 GB vRAM.
- <u>SOYO RX 6700</u>: ~€222, 10 GB vRAM.
- <u>AMD RX 6700 XT</u>: ~€224, 12 GB vRAM.

Nvidia Geforce:

- <u>MILLSE GTX 1660 Super</u>: ~€108, 6 GB vRAM.
- <u>JieShou RTX A2000 (3050)</u>: ~€150, 8 GB vRAM.
- <u>SOYO RTX 2060 Super</u>: ~€161, 8 GB vRAM.
- <u>MILLSE RTX 3060 Ti</u>: ~€255, 8 GB vRAM.

Other interesting items

- CH341A: ~€18, voltage regulator.
- 3-pin voltage regulated fan controller: ~€1.3.
- 2/3/4-way fan splitter: ~€0.5.
- LGA 1700/1200/115X bracket: ~€1.3, for clip-on coolers.
- LGA 1700/1200/115X bracket: ~€2.6, for clip-on coolers, backplate.
- Open air test bench: ~€20.
- Core i7-13700F ES: ~€242, 8+8 Cores, <= 5.1 GHz, 30 MB L3 Cache, DDR4/DDR5.
- Core i9-13900T ES: ~€255, 8+16 Cores, <= 4.8 GHz, 36 MB L3 Cache, DDR4/DDR5.
- Core i9-13900 ES: ~€310, 8+16 Cores, <= 5.1 GHz, 36 MB L3 Cache, DDR4/DDR5.
- ELSA H510 PRO Mini ITX: ~€87, mITX, H510, SO-DIMM DDR4, 12 V PSU, PCI-E.
- ELSA H610 Mini ITX: ~€74, mITX, H610, SO-DIMM DDR4, 12 V PSU, no PCI-E.
- ASRock X299 Killer + i7-7820X: ~€215, 8 Cores, <= 4.5 GHz, 11 MB L3 Cache, DDR4, used.
- QIYIDA E5-A99 + E5-2680 V4 + 16GB RAM: ~€78, 14 Cores, <= 3.3 GHz, 35 MB L3 Cache, DDR4-2400.