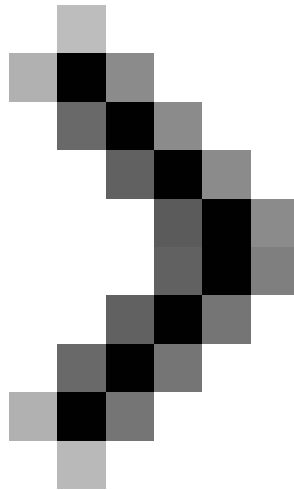
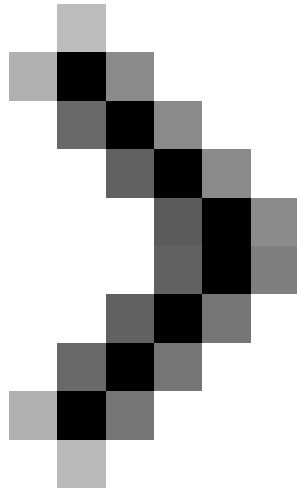


# Building the best computer system (Part 3)

The buyers here are middle-income people who want a basic system but can serve many jobs at a reasonable price.



**Part 1: Building a high-end system**



## **Part 2: Building intermediate system**

### **Building primary system**

The buyers here are middle-income people who want a basic system but can serve many jobs at a reasonable price.

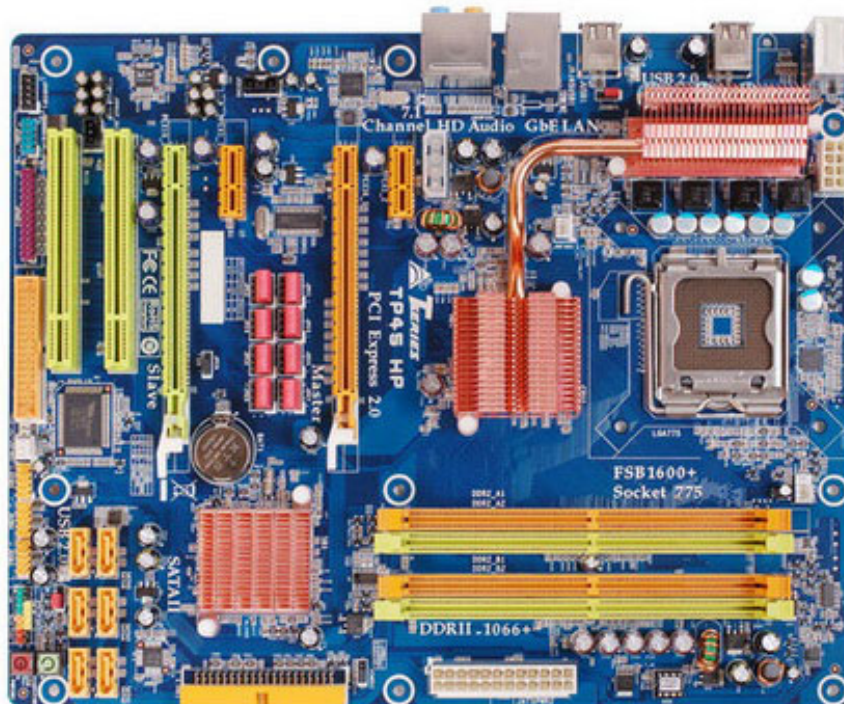


Machine Acer Aspire - *Artwork: Internet*

#### + *Select CPU*

With advanced manufacturing technology on 45nm technology with Wolfdale architecture for low power consumption, the Intel Core 2 Duo E7500 is 2.93GHz, which is the most suitable option. This is a CPU equipped with virtualization technology so it can carry Windows XP Mode in Windows 7 easily as well as the ability to overclock is quite good. Reference price of E7500 is 3.56 million VND (135 USD).

#### + *Select motherboard*



The TP45HP motherboard from BioStar with the P45 chipset will be the right choice to take advantage of the power that the above CPU E7500 brings. This motherboard is fully equipped with USB, SATA, Ethernet, . with very good heat dissipation system. In particular, this board also supports very good overclocking capabilities. TP45HP reference price is 2 million VND (110 USD).

#### + *Internal memory (RAM)*

The Corsair 2X2048-6400 2 x 2GB is a worthwhile option for a system that needs good quality overclocking but is cheap. This Ram model has FBS 800 Mhz, works with 6.4GB / s bandwidth with 4-4-4-12 response time. Its reference price is 915,000 VND (50 USD).

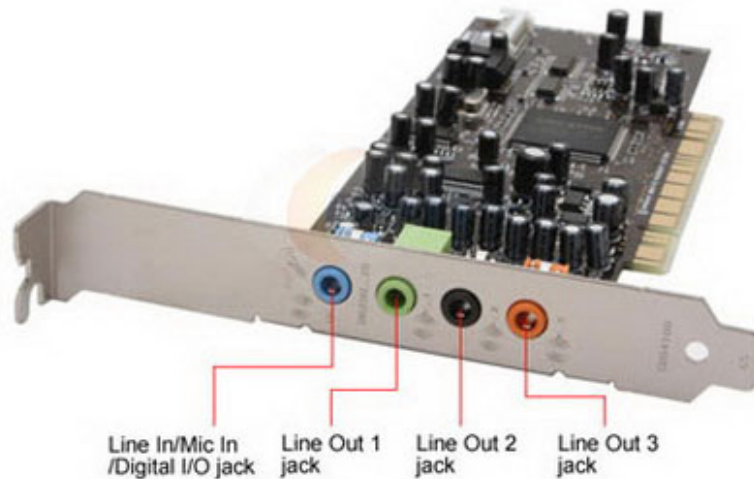
#### + *Graphics card (VGA)*

There are quite a few options for users in the primary level. However, when you buy, you need to pay attention to the working parameters of the graphics card such as GPU parameters (preferably by Nvidia and ATI), Pipelines, Shader and Clock speed indicators, support for Direct X10, Support SLI or CrossFire technology.

### + *Hard drive*

Because it only serves basic tasks, you just need to choose a hard drive that has enough capacity. Perhaps 80GB will no longer be suitable, instead you can put some extra money to buy a 160GB drive. The appropriate representative to think about here is Seagate Barracuda 7200.10. The reference price of this drive is only about 768000 VND (42 USD).

### + *Sound card*



It is not necessary to buy a sound card, but if you feel that the integrated sound card is not strong enough to enjoy quality music, you can choose to purchase Creative Sound Blaster Audigy SE with a reference price of VND 549,000 ( USD 30).

### + *PSU (Power supply)*

You probably only need a power supply with a power of about 380W that Antec EarthWatts provides is enough to serve the load required by the primary system. Reference price of the power supply is 915000 VND (50 USD).

### + *Cooling device*



Nice, cheap, quieter and quieter than the available CPU fan. That is the Arctic Cooling Freezer 7 Pro cooler. Their reference price is only about 35 USD.

+ *Computer case*

Three Hundred of Antec is a cute, compact, solid and cheap case, so it is very suitable for this primary system. Its reference price is 1.09 million VND (60 USD).

+ *Screen*



The Acer V173 is a good LCD model, a 17-inch size that is good but capable of supporting at 1280 x 1024 resolution and is affordable. Reference price of this screen model is 2.71 million VND (119 USD).

+ *Keyboard / mouse*

You can choose Microsoft's keyboard and mouse set, CA9 (wired), with an important design. Reference price that this keyboard / mouse set is about 292,000 VND (16 USD).

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