

Vsem novim študentom arhitekture

Ker ste mnogi med vami soočeni z nakupom novega računalnika in se sprašujete na kaj morate pri tem paziti smo pripravili kratek seznam pomembnih karakteristik za arhitekturno in grafično delo:

- Moč Procesorja determinira kako hitro vaš računalnik opravlja različne naloge. Večina današnjih računalnikov je dovolj hitrih za večino nalog s katerimi se boste srečali.
 - Priporočen minimum: Intel: i5, i7 6xxx (6600, 6700...), 7xxx, 8xxx
 - AMD Threadripper, Ryzen: 5, 7, - 1XXX (1700, 1900...)
 - Višjo številko ima v imenu, hitreje deluje.
 - vsaj 4 jedra in minimalno 2 GHz.
- Količina RAM-a določa velikost projektov, ki jih lahko hkrati gladko obdelujete.
 - Priporočen minimum: 8 GB.
- Velikost Trdega diska določa koliko programov in datotek lahko hranite na računalniku. Če ta prostor zasedete, ga je potrebno nadgraditi z zunanjim (pri prenosnikih) ali notranjim trdim diskom z dodatno kapaciteto.
 - Priporočen minimum: 500 GB.
 - Priporočamo tudi uporabo SSDja, minimalno 256GB
 - Priporočamo tudi zunanji medij za prenos podatkov v tiskarno: USB ključek (2-8GB), zunanji trdi disk (250 GB navzgor) ali prostor na internetu (DropBox, Gmail, Windows SkyDrive...)
- Grafična kartica vključuje dodatni procesor in RAM specifičen za grafične prikaze (izogibajte se vgrajeni grafični kartici!). Zato je zelo pomemben premislek ob nakupu, vzemite najboljšo, ki si jo lahko privoščite.
 - Priporočeno: Nvidia: GTX 7xx (750, 760...), 9xx; 10xx; Quadro
 - AMD: R7, R9 – 3xx (350, 390), 4xx 5xx; FireGL
 - Višjo številko ima v imenu, hitreje deluje.
 - Priporočen minimum VIDEO (grafičnega, GPU) spomina: 2 Gb.
- Ekran je kar na računalniku največ gledate in je tudi izjemno pomemben. Pazite na velikost, resolucijo in obdelavo površine.
 - Velikost: velikost ekrana je fizična površina, katere velikost zavisi od vaše izbire, vendar večje je boljše. Če nočete kupovati velikega prenosnika (17"), lahko kupite manjšega (15") skupaj z večjim ekranom (22"-27"), ki ga lahko priključite za delo doma. Pazite, da je resolucija dodatnega ekrana enaka ali večja od resolucije na prenosniku.
 - Resolucija: determinira kako detajlno bo ekran prikazoval sliko na dani velikosti ekrana in je kritičnega pomena. Priporočen minimum: 1440x900, spet večje je boljše.
 - Površinska obdelava: veliko današnjih ekranov je svetlečih in reflektivnih kot ogledala, za prikazovanje živih barv in lepši izgled, vendar vas bodo odboji motili zato so dokaj neuporabni za delo ob dnevni svetlobi, priporočamo mat obdelavo ekrana.

Generalno priporočamo dober »igričarski« računalnik, ker sodobne igrice zahtevajo močan računalnik, katerega boste lahko uporabljali za zahtevno profesionalno delo. Izogibajte se tako imenovanih »netbook« prenosnikov, 13"-in-manjših nizkocenovcev. Priporočamo tudi ogled minimalnih zahtev različnih programov, ki so objavljene na njihovih spletnih straneh.

Cene računalnikov se gibljejo od 500€ navzgor za stacionarne (samo škatla, brez ekrana, tipkovnice, miške...) in od 800€ naprej za prenosnike. Priporočamo nakup prenosnika saj je študij, življenje in delo (bodočega) arhitekta zelo dinamično in na fakulteti je omejeno število računalnikov za delo.

Odsvetujemo nakup tabličnih, 2v1, netbook, Chromebook in podobnih majhnih in prenosnih računalnikov, ker preprosto niso dovolj zmogljivi ali ne podpirajo profesionalnih arhitekturnih programov.

Če razmišljate o nakupu *Apple* vedite da jih je večina dovolj zmogljiva za delo, vendar niso kompatibilni z nekaterimi pogostimi programi (vendar ne vsemi) in zahtevajo precej prilagajanja, če prihajate iz Windows okolja.

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To all new students of Architecture

As many of you are about to buy yourselves new computers and wonder which considerations to take into account, we prepared for you a short list of important characteristics for architectural and graphic work:

- *The strength of the Processor determines how fast your computer can perform various tasks. Most computers today are fast enough for most tasks that you will need.*

*Recommended minimum: Intel: i5, i7 6xxx (6600, 6700...), 7xxx, 8xxx
AMD Threadripper, Ryzen: 5, 7, - 1XXX (1700, 1900...)
at least 4 cores and 2 GHz.*

The higher the number is the faster the card performs

- *The amount of RAM memory determines the size of projects you can work on simultaneously.*

Recommended minimum: 8 GB.

- *The size of the Hard Disk determines how many programs and files you can store in your computer. If it becomes full you then need to complement it with an external (laptops) or internal Hard Disk for extra storage.*

Recommended minimum: 500 GB.

We recommend using an SSD of at least 256 GB

We also recommend some sort of external medium of storage for transporting files to the printers: USB flash (1-8 GB), hard (250 GB upwards) drive, or internet storage provider (DropBox, Gmail, Windows SkyDrive...)

- *The Graphic Card includes an extra processor and extra RAM specifically for the purpose of graphic tasks (avoid the built-in card!). It is therefore a very important consideration for your computer, so get the best graphic card that you can afford.*

*Recommended: Nvidia: GTX 7xx (750, 760...), 9xx; 10xx; Quadro
AMD: R7, R9 – 3xx (350, 390...), 4xx 5xx; FireGL*

The higher the number is the faster the card performs

Recommended VIDEO (GPU) minimum: 1 Gb RAM.

- *The Screen is what you are looking at, and extremely important as well. You should pay attention to the screen's size, resolution, proportion, and finish.*

Size: The size of the screen is its physical surface, which is up to you to choose, but the bigger the better. If you don't want to buy a big laptop (17"), you can buy a small one (15") together with a bigger screen (22"-27") to connect to it when you work at home. Just make sure that the resolution of your second screen is at least as high as your laptop screen.

Resolution: The resolution determines how much detail you will be able to see in a given size, and is of critical importance. Recommended minimum: 1440x900. Again higher is better.

Finish: Many screens that sell are shiny as a mirror, to show vivid colors and look very fancy, but the reflection will disturb you as a working tool and are completely useless in day-light, so it is recommended to get a matte finish.

In general you should buy a good gaming computer, since modern games and HD video require a fair amount of computer power to run properly, which you will be able harness to run demanding architectural and graphic programs, avoid the so-called netbooks 13"-and-less, low priced computers. You should also check the recommended specifications for individual programs that are published on their web pages. The prices for these computers run from 500€ for desktops (just the box, without a screen, keyboard, mouse...) and 800€ for laptops. We recommend you to buy a laptop, since the study, life and work of an (future) architect is very dynamic and there are a very limited number of computers to work on at the Faculty.

Do not buy tablet, 2in1, netbook, Chromebook or any other small and ultra-portable notebook, since they are not powerful enough or are just not compatible with professional architectural programs.

When buying an Apple know that most of them are powerful enough to get you along, but incompatible with some widely used programs (certainly not all) and need a fair amount of adjustment.

Lp,

doc. dr. Or Ettliger and the DMP Team

(Digitalne Metode in Predstavivte, summer semester)