

Adam's Computer Build

Requirements: Adam asks for a computer that has enough RAM to run virtual machines, running web and file servers, and high caliber graphics processing for games as well as a fast processor.

Business: Best Buy Canada



Tower Manufacturer & Model: Acer Nitro

Monitor Manufacturer & Model: Acer EB222Q

Printer Manufacturer & Model: HP Deskjet 3755

Costs:

- Tower: \$699.99
- Monitor: \$129.99
- Printer: \$29.99
- Mouse & Keyboard: \$29.99
- Total (Free shipping & incl taxes): \$1007.09

Specifications:

- Intel Core I5 8400: a strong & fast 2.8 GHz processor, capable of executing tasks such as running servers, virtual machines and even basic gaming.
- NVIDIA GTX 1050: a moderate, relatively new graphics card, perfect for gaming, and executing a high caliber of graphics processing and rendering.
- Windows 10 OS: very common and overall nice operating system, perfect for running majority of application, and will most probably be compatible with the server programs and packages, also will run virtual machine programs.
- 1 TB HDD: large amount of storage for saving server files, related packages and software. Also ideal for saving multiple virtual machine instances.
- 8 GB RAM DDR4: a decent amount of RAM, works out well for gaming and running local or web servers. May be pushed to its limits running virtual machines. Overall will get the job done.
- DVD RW Drive: common DVD drive, read & writes to DVD's & CD's, although disc forms are becoming more obsolete in the modern day.
- 21.5" Monitor: a very large LED monitor, energy efficient and the large size helps with multitasking, split screen and overall better organization.
- HP Deskjet 3755: a wireless all in one printer that can wirelessly print, scan, and copy.
- Logitech Mouse & Keyboard: a basic mouse and keyboard combo perfect for daily use.

Reasoning for this choice of bundle:

The reason behind choosing this system is simply a fit of desktop, monitor and printer that best fits the demands of Adam. Adam says he uses his computers for running server and virtual machines. Also being a first year network engineering student, he requires a computer that can handle multiple servers and virtual machines at a time. A computer with above average processing speed, decent RAM, and also a graphics card for any graphics rendering or gaming. Also because he is a university engineering student, he definitely needs a lot of storage for not only school related assignment and documents but also for development and programs related to his engineering field. A few additions are a big monitor for easy split screen and multitasking, also a basic printer for any school needs.

Hence the choice of computer, monitor and printer in this bundle. An I5 8400 processor, 8th generation of Intel Core processors, and the middle class of the line being the I5. Perfect for school needs and programming/development needs with its extensive 6 cores. A GTX 1050 graphics card, perfect for gaming, as well as any intensive graphics rendering such as more complex GUI programming, can also be used for other tasks such as training algorithms. The system runs Windows 10, the standard normal of operating systems in the modern day. A terabyte of hard disk space for storing games, assignments, virtual machines, servers, and other programs & packages. For the RAM, there is a total of 8 gigabytes of DDR4 RAM, it will serve him his purpose of multitasking, running servers, and gaming fairly well. It will be used to its fullest extent. As for the monitor, a 21.5" LED monitor, which is energy efficient compared to LCD, and perfect for split screen tasks, and gaming. Although smaller than what he is used to, it will serve his purpose just as well. The printer included is a basic printer, with copy, scan, and print functions well suited for a university student's needs. The mouse and keyboard are basic peripherals fit to serve their purpose. The cost of the bundle is on the higher end of the spectrum, however it is more of an investment than purchase, as this bundle can last him through the rest of his university years, serving his purpose well. The overall bundle is a seemingly good fit for Adam, as it not only gets his school tasks done but also his extracurricular ones.

Brittany's Computer Build

Requirements: Brittany asks for a computer that serves her purpose of occasional use, runs social media programs, has a decent amount of storage, and can do word processing, and make presentations on.

Business: Best Buy Canada



Laptop Manufacturer & Model: HP 14-dk0018ca

Printer Manufacturer & Model: HP Deskjet 3755

Costs:

- Laptop: \$499.99
- Printer: \$29.99
- Total (Free shipping & incl taxes): \$598.88

Specifications:

- AMD Ryzen 3200U: a strong 2.6 GHz processor, more than capable of word processing, presentations, and file downloading. Additionally the processor is an APU (Accelerated Processing Unit) and provides some enhanced graphics capabilities with Vega 3 graphics.
- Windows 10 OS: very common and overall nice operating system, perfect for any word programs and easy to use user interface perfect for quick tasks.
- 128 GB SSD: moderate amount of storage, very fast and efficient, perfect for storing documents, and music files.
- 8 GB RAM DDR4: a plenty amount of RAM, works well for school related tasks, multitasking, browsing the internet, streaming, and for social media.
- 14" Screen: a small and compact screen, energy efficient and the small size helps with portability of the laptop.
- HP Deskjet 3755: a wireless all in one printer that can wirelessly print, scan, and copy.

Reasoning for this choice of bundle:

The reason behind choosing this bundle is because it is well suited for Brittany. Brittany didn't have any extraordinary demands, she just wanted a computer that is built for her basic needs. A computer that can stream videos fast and efficiently, store a lot of music, run social media applications, and do her schoolwork like documents and presentations on. A computer with basic processing speed, a moderate amount of RAM, a decent amount of hard disk space for music, quick runtime speeds for quick bootup and overall usage, and also space for documents and presentations & related programs. Additionally a printer for basic purposes to complete tasks like school assignments.

Hence the choice of a laptop, a very small compact form factor, perfect for moving around and the specs of the laptop are definitely a step above basic. The laptop has an AMD Ryzen 3200U processor, a very quick dual core processor perfect for quick processing of web pages, social media sites, and school assignments. There are 8 GB of DDR4 RAM, more than enough RAM for Brittany's purpose, will complete all her tasks, such as streaming and messaging almost perfectly. Additionally the 128 GB SSD is a perfect fit for Brittany's requirements, not only is it plenty to store word processing & presentation applications, there is plenty of space for downloading music. A bonus is the very quick speeds and runtimes with the SSD. Being a grade 12 high school student, portability can be a big factor in her everyday life, hence a 14" screen makes the entire machine very compact and perfect for moving around. The printer is perfect for basic needs such as printing, scanning, and copying. The overall bundle is a great deal, whereas the price is very reasonable as well, as the laptop can potentially be her primary computer through the rest of grade 12 & post secondary, and serve its purpose of streaming videos, downloading music, running social media applications, and completing school assignments.

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