

# Application

The application for this PC is gaming. The PC can be used for anything, but it is mostly used to play video games. Those video games tend to be very demanding and will demand very high specs.

This PC needs to be very high speed, as it will be running very intense games. The gaming PC does not need to be portable at all, gamers do not move.

The 3 crucial parts for a gaming PC are: RAM, CPU, and GPU. These parts are the most important as they all control how powerful the PC are in strength and speed. Without at least medium-end specs of these, your games will not run.





# Would-Be-Nice Features

3 features that would be nice to upgrade are the motherboard, storage, and internet. For the motherboard, the upgrades can be a mobo that can support a higher amount of RAM, one that supports faster mobile charging, and one with RGB lights. For the storage, you can use a Solid State Drive (SSD) instead of HDD. The pro of an SSD is that they load much quicker than HDDs. The downside though is that SSDs cost much more than HDDs. For internet, a good way to upgrade that would to get wireless network adapter so you wouldn't have to rely on ethernet.



# Budget Machine

## Budget PC Specs

- AMD Ryzen 1300: \$84.99
- ASRock B450M: \$57.56
- G.Skill Value 8GB (2 x 4): \$42.99
- WD Caviar 1 TB: \$54.50
- MSI Radeon RX 580 8GB: \$255.00
- Corsair CXM 550 W 80+ Bronze: \$69.99
- Microsoft Windows 10 Home: \$134.50
- Cooler Master MasterBox Q3000L: \$54.99

TOTAL: \$754.52

Vendors: [Vuugo.com](https://www.vuugo.com), [Canadacomputers.com](https://www.canadacomputers.com), [newegg.ca](https://www.newegg.ca), and [Mikescomputershop.com](https://www.mikescomputershop.com)

No parts had to be left out.

The priority parts that I included are the RX 580, Ryzen 1300, and the G.Skill 8GB.



# Dream Machine

- AMD Ryzen 2600: \$169.00
- MSI B450 Tomahawk: \$179.99
- Corsair Vengeance LPX 16GB (2 x 8): \$104.99
- WD Caviar 1 TB: \$54.50
- Asus GeForce GTX 1060 GB: \$351.99
- Corsair Spec-Omega: \$128.99
- Corsair RMx 650 W 80+ Gold: \$128.92
- Microsoft Windows 10 Home: \$134.50

TOTAL: 1258.88

Vendors: Vuugo.com,  
Canadacomputers.com, newegg.ca, and  
Mikescomputershop.com

Priority Components:  
GeForce GTX 1060 6GB,  
AMD Ryzen 2600, and  
Corsair Vengeance LPX  
16GB.

I was able to spend extra  
on the CPU and GPU.

I did not have to  
downgrade or leave out  
any components