



# HOME THEATRE PC BUILD

Ashmitha + Bridjette



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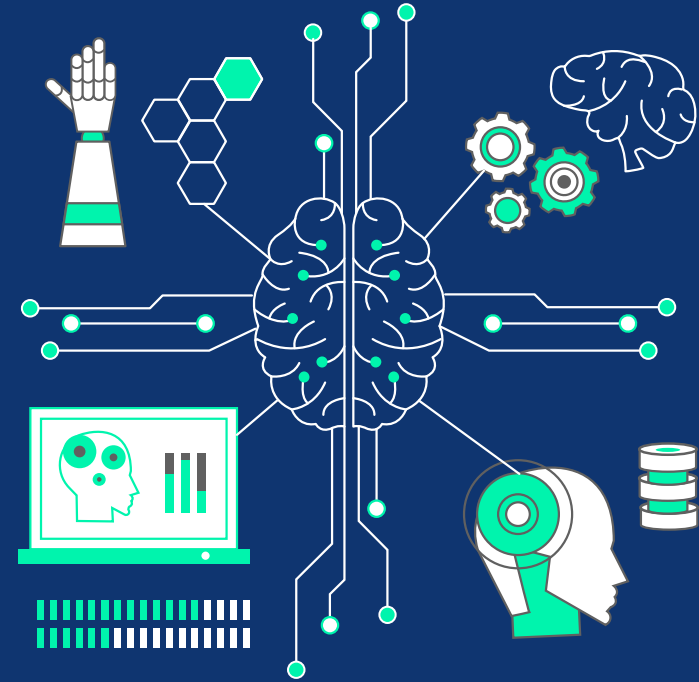
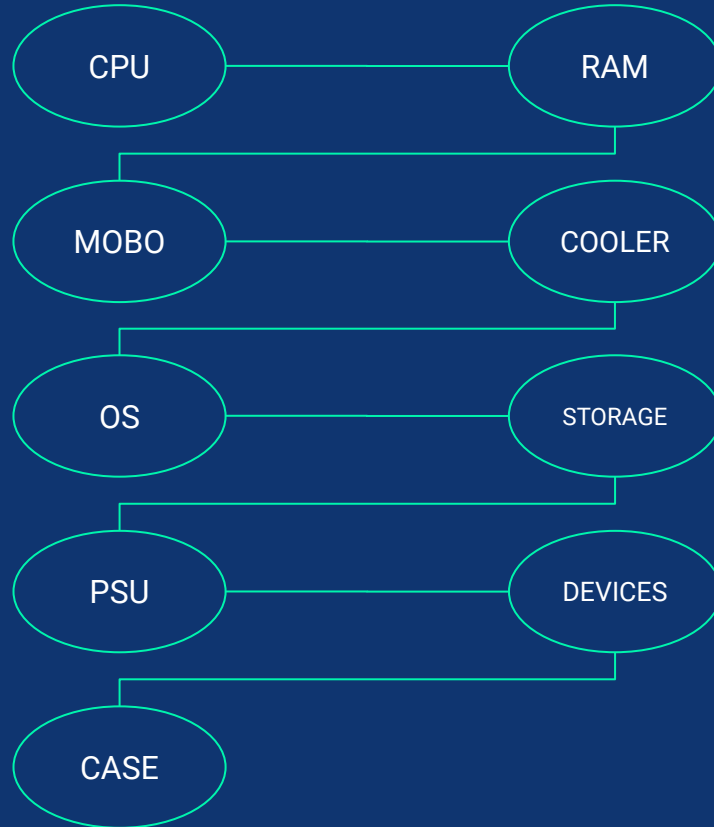
The Summary

# CHARACTERISTICS

- Budget Friendly Build Below 1000\$
- 4K Streaming At 60 HZ
- Comfort
- Small form factor
- Low power consumption



# COMPONENTS AND PRODUCTS





ShopRBC  
159.95\$ CAD

## CPU

AMD Ryzen 3 3200G 3.6 GHz Quad-Core Processor

- 4 processing cores, bundled with the Quiet AMD Wraith Stealth cooler
- 4.0 GHz Max Boost, unlocked for overclocking
- Radeon Vega 8 graphics
- For the advanced socket AM4 platform
- System memory type is DDR4
- Maximum temperature - 95 degree celsius



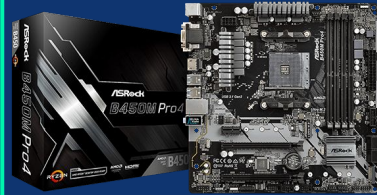
# RAM

G.Skill Ripjaws V Series 8 GB (2 x 4 GB) DDR4-3200  
CL16 Memory

The memory sticks offer a maximum compatibility  
and cutting-edge performance with the speed of  
3.200 MHz DDR4 memory with CAS latency of  
16-18-18-35



MemoryExpress  
75.00\$ CAD



Canada Computers  
68.62\$ CAD

# MOTHERBOARD

## ASRock B450M PR04 Micro ATX AM4 Motherboard

- All the essentials.
- Supports AMD AM4 Socket Ryzen 2000, 3000 and 5000 Series Desktop Processors
- Graphics Output: HDMI, DVI-D, D-Sub
- 7.1 CH HD Audio (Realtek ALC892 Audio Codec)
- Supports DDR4 3200+ (OC)
- 1 PCIe 3.0 x16, 1 PCIe 2.0 x16, 1 PCIe 2.0 x1
- 4 SATA ports and 2 M.2 slots for storage
- 7 x USB 3.1 Gen1 (1 x Type-C, 2 Front, 4 Rear)

# SYSTEM COOLING

be quiet! Pure Rock Slim 35.14 CFM CPU Cooler

- 130W TDP cooling efficiency
- Mounting for an even easier installation in alignment with the airflow
- Small for PC cases with limited space
- Two 92mm fans for silent operation of a maximum of 25.4dB
- Balanced cooling and quietness
- Brushed aluminum finish



Canada Computers  
40.00\$ CAD





# OPERATING SYSTEM

## Windows 10

Windows 10 is the latest software developed by Microsoft. It is a good OS for our home theater PC as it is an intermediate between the user and the hardware. Users will be able to use with ease the PC to stream and play movies.



# STORAGE

## Western Digital Blue SN550 1TB M.2-2280 NVME Solid State Drive

The WD Blue SN550 NVMe SSD can deliver over 4 times the speed of our best SATA SSDs. For loads of data, this internal drive high speeds perform well such as the read speed is At 2400MB/s and writing speed as 1750MB/s faster for its price.



Canada Computers  
138.25\$ CAD



Canada Computers  
154.38\$ CAD

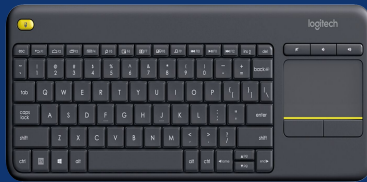
## POWER SUPPLY

EVGA SuperNOVA GM 450 W 80+ Gold Certified Fully Modular SFX Power Supply

- 450W SFX form factor
- 80 PLUS Gold certified, with 90% (115VAC) / 92% (220VAC~240VAC) efficiency or higher under typical loads
- Fan Size/ Bearing: 92mm double Ball Bearing
- Heavy-duty protections
- 7 year warranty

# PERIPHERALS

## Logitech K400 Plus Wireless Mini Keyboard



Compact and slim  
Comfortable and quiet keys  
10-meter (33-foot) wireless range  
Familiar, media-friendly key layout  
Plug-and-play design

Vuugo  
32.56\$ CAD



## PC CASE

### Silverstone GD09B HTPC Case

- Excellent cooling/quietness and dust-prevention
- Support expansion cards up to 12.2 inches
- Support ATX motherboards
- Fits comfortably inside home theater cabinet

Canada Computers  
140.00\$ CAD





880.94\$

SUBTOTAL



# CONCLUSION

- Small form factor
- Powerful enough for 4K movie streaming
- Low power consumption
- Silent
- Cost friendly

