

Based on the information given and my research, The CPU (central processing unit) is one of the two most important parts of the computer hardware because it is the “brain” of the computer; in general, it follows the instructions of the software to manipulate data into information. It consists in two parts: the control unit and the arithmetic/logic unit. Both of which contain registers, or high-speed storage areas. For every instruction, the control unit carries four operations: it fetches an instruction, decodes the instruction, executes it, and stores the result. The other most important is the RAM (random-access memory). It is responsible for “helping” the processor in its operation, so that it “holds” all the instructions and data that the processor needs to use when running a program. Basically, the RAM helps your computer run faster even if you have multiple programs running at the same time which is helpful for programmers who needs fast answer from the computer they are using. For the two parts to work well together, I would recommend that we buy the RAM of the computer that fit with the CPU so that it can work well and fast together and not cause any problems with the computer in the future.

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Selected PC Components

Description	Price	Qty	Subtotal		
▶ Intel i7-7700K Quad-core 4.2GHz	\$ 439	3	\$ 1,317		
▶ Crucial Ballistix 16GB (2x8) 3200MHz	\$ 109	3	\$ 327		
▶ ASUS ROG MAXIMUS IX Z270 motherboard	\$ 299	3	\$ 897		
▶ Antec Case P380 Performance One ATX Full Tower 3/0/(8) Bays USB HD Audio Black - B/O	\$ 245	3	\$ 735		
▶ Antec 450W Basiq - B/O	\$ 53	3	\$ 159		
▶ Geforce GTX1050 2GB dual fans	\$ 179	3	\$ 537		
▶ Windows 7 Home Premium OEM DVD - 64-bit English	\$ 114	3	\$ 342		

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Total:	\$ 4,314.00
EHF (Quebec):	\$ 0.00
GST (Canada):	\$ 215.70
QST (Quebec):	\$ 430.32
Total + taxes:	\$ 4,960.02

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