Lab - Research Computer Components

Use the Internet, trade publications, or a local store to gather information about the components you will need to complete your customer’s computer. Information is provided for the components that your customer already has. Use these specifications to make sure that the components you research are compatible with the components your customer already owns. Be prepared to discuss your selections.

* 1. Answer the following PC component questions.
     1. List three components that must have the same compatible form factor.

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* + 1. List three components that must conform to the same socket type.

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* + 1. List two components that must utilize the same front side bus speed.

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* + 1. List three considerations when you choose memory.

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* + 1. What component must be compatible with every other component of the computer?

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* 1. Perform research for compatible components for your customer.

Your customer already owns the components described in the table below.

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| --- | --- | --- | --- |
| Component | Brand and Model Number | Features | Cost |
| **Case** | NZXT  Source 210 | ATX Mid Tower  2 x USB 2.0 Front Ports  Bottom Mounted PSU  Wire Management Support  Dual 120mm Front Intake  Also fits 2 x 120/140mm fan | $39.99 |
| **Motherboard** | ASUS  H97-PRO Gamer | LGA 1150  Core i7 / i5 / i3  Intel H97 Chipset  DDR3 1600/1333 MHz Non-ECC, Un-buffered  32GB Maximum  Dual Channel Memory Supported  1 x PCIe 3.0/2.0 x16  1 x PCIe 2.0 x16  2 x PCI Express x1  4 x SATA 6Gb/s  4 x USB 3.0 | $104.99 |
| **Hard Drive** | Western Digital  WD5000AAKX | SATA 6.0Gb/s  500GB  7200 RPM  16MB Cache | $52.99 |

Search the Internet, trade publications, or a local store to research the following components, make sure they are compatible with the components that your customer owns. Enter the specifications in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| Component | Brand and Model Number | Features | Cost |
| **Power Supply** |  |  |  |
| **CPU** |  |  |  |
| **Heatsink/Fan** |  |  |  |
| **RAM** |  |  |  |
| **Video Adaptor Card** |  |  |  |