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BSIT – 1

Activity 8

1. Examine your PC, and complete the Specifications column of the following table. If you have different oradditional components in your PC, revise the table accordingly.

Component Type	Specification	Wattage Required
CPU	AMD Ryzen 5 3600	65 W
Memory	DELTA RGB DDR4 GAMING MEMORY	12 W
Video Card	palit gtx 1070 ti	180 W
Motherboard	gigabyte b450m ds3h	60 W
Hard drive	HTS725050A9A362 500GB SATA Hard Drive	15 W
Optical drive	CD-ROM	15 W
NIC	Realtek pcie gbe family controller	
Sound card	Realtek sound card	
USB Wired keyboard	Yes	5 W
USB Wired mouse	Yes	5 W
USB Wired flash drive	No	
Other external devices		

2. If you can, determine the power required by each component, and complete the table. Again, example values have been provided for your reference.

3. Calculate the total wattage required for your PC. Compare this value with the maximum wattage output listed on the power supply. Does this power supply need to be upgraded?

After adding all the required wattage of each my PC components, I found that the total required wattage is 357 watts. Currently my pc's power supply gives a maximum output of 650 watts. When you compare these two values then my power supplies output is almost twice as much as the total wattage required from my pc components. Therefore the power supply does not need to be upgraded.

4. Add a buffer of 30 percent to the total wattage required for your PC. Will the existing power supply continue to supply enough power if additional components are added to the system?

If you add a 30 percent buffer to the total required wattage then you will get a value of 464 watts. Since my power supply’s maximum output is 650 watts, the power supply will still be enough to handle more components in my pc.