

Lab Report

Your Performance

Your Score: 1 of 6 (17%)

Elapsed Time: 6 minutes 56 seconds

Pass Status: Not Passed

Required Score: 100%

Task Summary

Actions you were required to perform:

- ✗ Install the power supply with the PCIe power connector into the case
- ✗ Plug in internal components

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- ☐ Connect the main motherboard power
- ☐ Connect the CPU power
- ☐ Connect SATA power to hard drive 1
- ☐ Connect SATA power to hard drive 2
- ☐ Connect SATA power to hard drive 3
- ☐ Connect SATA power to the optical drive

- ✗ Plug the computer into a power source
- ✓ Turn the power supply switch on
- ✗ Boot the computer into Windows

Actions you should not have performed:

- ✗ Power supply is still on the Workspace (not in the case)

Explanation

In this lab, your task is to complete the following:

- Install a power supply based on the following requirements:
 - The power supply must have the appropriate power connectors for the motherboard and the CPU.
 - Make sure the power supply you select will support adding a graphics card that requires its own power connector.
- Make the following connections from the power supply:
 - Connect the motherboard power connector.
 - Connect the CPU power connector.
 - Connect the power connectors for the SATA hard drives.
 - Connect the power connector for the optical drive.
 - Plug the computer in using the existing cable plugged into the power strip.
 - Turn on the power supply.
- Start the computer and boot into Windows.

Complete this lab as follows:

1. Install a power supply as follows:
 - a. Above the the computer, select **Motherboard** to switch to the motherboard view.
 - b. Select the **motherboard** to view the documentation.
 - c. Under Selected Component, select **Details** to identify the existing connectors for the motherboard.
 - d. Select the **Specifications** tab to determine how many pins the main motherboard and the CPU power supply require.
 - e. Close the Details window.
 - f. On the Shelf, expand **Power Supplies**.
 - g. Select a **power supply**.

- h. Under Selected Component, examine each of the **power connectors** looking for all of the connectors required for this scenario.
 - i. Repeat steps 1g–1h for each power supply.
2. Install the power supply as follows:
 - a. From the Shelf, drag the **power supply** to the area in the case below the motherboard.
 - b. Under Selected Component, drag the **20+4 pin connector** to the motherboard to connect the motherboard main power connector.
 - c. Under Selected Component, drag the **8-pin CPU power connector** to the motherboard to connect the CPU power connector.
3. Connect the SATA hard drives as follows:
 - a. Under Selected Component, drag a **15-pin SATA power connector** to the power port on the hard drive.
 - b. Under Selected Component, drag a **15-pin SATA power connector** to the power port on the the second hard drive.
 - c. Under Selected Component, drag a **15-pin SATA power connector** to the power port on the the third hard drive.
4. Connect the optical drive as follows:
 - a. Above the computer, select **Drive Bays** to switch to the Drive Bays view for the computer.
 - b. Under Selected Component, drag a **15-pin SATA power connector** to the power port on the optical drive.
5. Plug the computer into the wall outlet as follows:
 - a. Above the computer, select **Back** to switch to the back view of the computer.
 - b. Above the power strip in Partial Connections, select the **power cord**.
 - c. Under Selected Component, drag the **AC Power Connector** to the power supply port.
 - d. On the power supply, click the **power switch** to move it to the On position.
 - e. Above the computer, select **Front** to switch to the front view for the computer.
 - f. On the computer, select the **power** button to turn on the computer and boot into Windows.