

Lab Report

Your Performance

Your Score: 6 of 6 (100%)

Elapsed Time: 2 minutes 49 seconds

Pass Status: Pass

Required Score: 100%

Task Summary

Actions you were required to perform:

- ✓ Place the 802.11b/g/n wireless access point on the computer desk
- ✓ Provide power to the wireless access point
- ✓ Connect the wireless access point to the existing router in the rack using a Cat6a cable
- ✓ On the laptop, slide the wireless switch to turn the integrated wireless network interface card on
- ✓ On the laptop, connect to the TrendNET-BGN wireless network
- ✓ Save the wireless profile on the laptop

Explanation

In this lab, your task is to create a wireless network as follows:

- Select a wireless access point that meets the following criteria:
 - Transmission speeds up to 600 Mbps.
 - Backwards compatible with other wireless standards that use 2.4GHz.
- Install the wireless access point as follows:
 - Place the wireless access point on the computer desk.
 - Select the correct cable to connect the wireless access point to a free LAN port on the existing router.
 - Connect power to the wireless access point through an outlet on the surge protector or wall plate.
- Configure the owner's new laptop to connect to the wireless network:
 - Slide the wireless switch on the front of the laptop to the **On** position. This will enable the integrated wireless network interface card on the laptop.
 - Use the default settings as you connect the laptop to the wireless network, and save the wireless profile with these settings.

Complete this lab as follows:

1. Select and install a wireless access point on the Workspace as follows:
 - a. On the Shelf, expand **Wireless Access Points**.
 - b. Read the device descriptions to identify the correct wireless access point.
 - c. Drag the **Wireless Access Point, 802.11b/g/n** to the Workspace.
 - d. Above the wireless access point, select **Back** to switch to the back view of the wireless access point.
2. Provide power to the wireless access point as follows:
 - a. On the Shelf, expand **Cables**.
 - b. Select the **Power Adapter**.
 - c. In the Selected Component window, drag the **DC Power Connector** to the port on the wireless access point.
 - d. In the Selected Component window, drag the **AC Power Adapter** end to an outlet on the surge protector.
3. Connect the wireless access point to the router as follows:
 - a. On the Shelf, select the **Cat6a cable**.
 - b. In the Selected Component window, drag a **connector** to the Ethernet port on the back of the wireless access point.
 - c. Above the router, select **Back** to switch to the back of the router.
 - d. In the Selected Component window, drag the other **connector** to one of the free LAN ports on the switch.

4. On the front of the laptop, click the **wireless switch** to enable the integrated wireless network interface on the laptop. This will slide the switch to the ON position.
5. Connect the laptop to the TrendNet-BGN wireless network and create a wireless network profile as follows:
 - a. On the laptop's monitor, select **Click to view Windows 10**.
 - b. In the notification area, select the **Network** icon.
 - c. Select **TrendNet-BGN**.
 - d. Make sure **Connect automatically** is selected.
 - e. Select **Connect**.
 - f. Select **Yes** to make the computer discoverable on the network.