

Inside and Outside Control

Objective

Explain how wireless LAN components are deployed in a small- to medium-sized business.

Scenario

An assessment has been completed to validate the need for an upgrade to your small- to medium-sized wireless network. Approved for purchase are indoor and outdoor access points and one wireless controller. You must compare equipment models and their specifications before you purchase.

Therefore, you visit the [Wireless Compare Products and Services](#) web site and see a features chart for indoor and outdoor wireless access points and controller devices. After reviewing the chart, you note there is some terminology with which you are unfamiliar:

- Federal Information Processing Standard (FIPS)
- MIMO
- Cisco CleanAir Technology
- Cisco FlexConnect
- Band Select

Research the above terms. Prepare your own chart with your company's most important requirements listed for purchasing the indoor and outdoor wireless access points and wireless controller. This chart will assist in validating your purchase order to your accounting manager and CEO.

Resources

Internet access to the World Wide Web

Part 1: Secure Background Knowledge of Wireless Terminology

Step 1: Define unfamiliar wireless terms.

- a. FIPS
- b. MIMO
- c. Cisco CleanAir Technology
- d. Cisco FlexConnect
- e. Band Select

Step 2: Visit the [Wireless Compare Products and Services](#) web site.

- a. Compare the devices in each category based on their feature sets.
- b. Choose one model from each category: indoor, outdoor, and controller categories for the upgrades for your business.

Step 3: Create a chart for each device chosen in Step 2b to include:

- a. The main type of selected device (indoor access point, outdoor access point, or controller).
- b. A graphic of each selected device.
- c. Five of the most beneficial features that the selected models would provide your business.

Step 4: After research is complete, explain, and justify your choices with another student, class group, or entire class.