
Comparison of Wireless LAN Standards

Go online to <http://www.vicomsoft.com/knowledge/reference/wireless1.html> and http://www.webopedia.com/quick_ref/WLANStandards.asp and read the articles on wireless networking. Fill out the information below and answer the questions.

Type	Data Rate	Modulation Scheme	Security	Pros and Cons
802.11				
802.11a				
802.11b				
802.11g				
Bluetooth				
802.11n				

802.11ag				
WiMax				

1. What are the two kinds of wireless networks and how do they differ?
2. Jaymes connects directly to Laymes' computer through 802.11g. This would be a(n) _____ network.
3. When connecting to a Wireless LAN most computers will connect through an _____ point.
4. What kind of technology is 802.11?
 - a. Radio
 - b. Microwave
 - c. Laser
 - d. Infrared
5. What is a modulation scheme?
6. Which modulation scheme sends the signals hopping from frequency to frequency over a wide band of frequencies?
7. Which modulation scheme uses a chipping code to divide the data over a spreading ratio? It is used by 802.11b networks.
8. What is a LAWN?
9. Which modulation scheme splits large amounts of data over a radio wave and splits it into a series of sub signals. The data then gets sent over a variety of frequencies at the same time.
10. What is WEP?
11. What was the purpose of WPA and why is it considered an "interim standard"?
12. When will the WPA standard be updated?
13. What is the main purpose of the next 802.11 update?

14. If this goal is reached, what impact do you think it will have on businesses moving from bounded to boundless networks?