Wireless Fidelity Systems

Wireless fidelity system is a wireless LAN with high-speed. It was designed to extend the wired Ethernet from office areas to wireless clients. A Wi-Fi network connects computers with each other, to wired networks and to the Internet. The reason behind naming it Wi-Fi is its area of coverage and its support to high rates. It operates within 2.4 GHz and 5 GHz radio bands with an 802.11 b or 802.11 a. It also operates with products containing both of these band bit providing better network. Besides using IEEE 802.11 b and 802.11 a protocols, Wi-Fi may also use Hiper LAN (a high-speed wireless LAN protocol). The Wi-Fi hot spots and wide area wireless networking technologies are combined together and implemented in the mobile nodes with server as an additional advantage there by providing secure and high speed connection. Wi-Fi systems also act as a support in delivering high-speed multimedia content to shopping malls, airport and offices.

Advantages

1. Internet can be accessed with high speed

2. Easy to use

3. Cost of operation is low

4. Reconfiguration is flexible.