

WI-FI TECHNOLOGY

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Part of the presentation:

- 1. Basic Operation & Applications**
- 2. How Wi-Fi works**
- 3. IEEE 802.11 Standards**
- 4. Advantages**
- 5. Disadvantages**



BASIC OPERATION & APPLICATIONS



HOW WI-FI WORKS

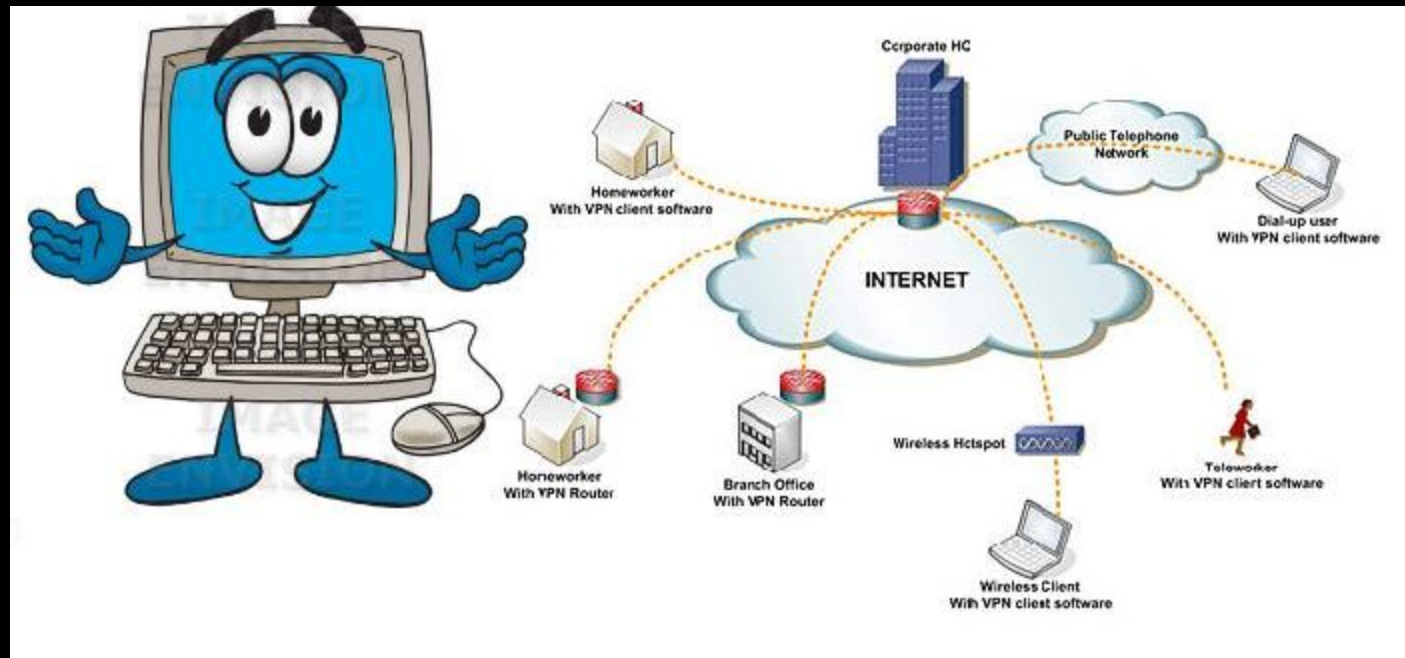
Wi FiTM



IEEE 802.11 STANDARDS

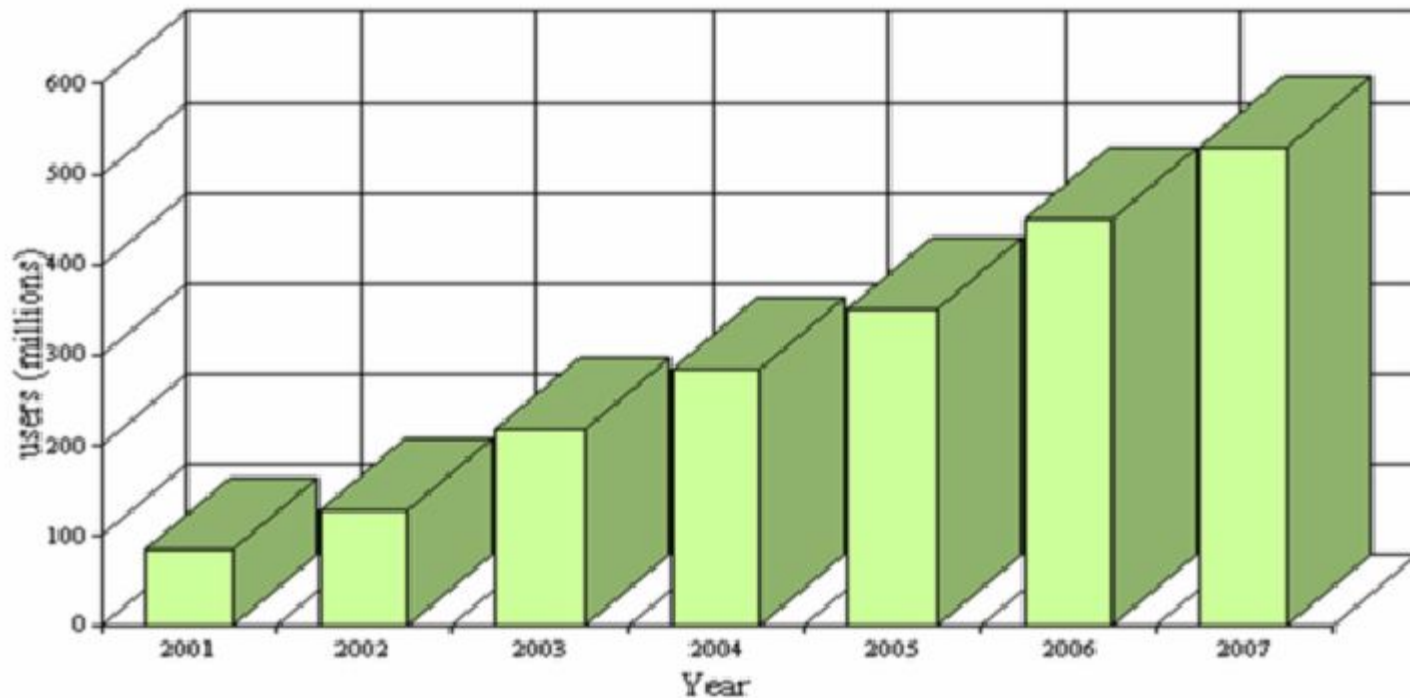
	Frequency Band	Bit Rate	Modulation Scheme
802.11	2.4 GHz	1-2 Mbps	Frequency-Hopping Spread Spectrum, Direct Sequence Spread Spectrum
802.11b	2.4 GHz	11 Mbps	Complementary Code Keying & QPSK
802.11g	2.4 GHz	54 Mbps	Orthogonal Frequency Division Multiplexing & CCK for backward compatibility with 802.11b
802.11a	5-6 GHz	54 Mbps	Orthogonal Frequency Division Multiplexing

ADVANTAGES AND DISADVANTAGES



WI-FI USERS

Huge growth potential for wireless Internet users



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