

## COMPARISON OF THE 802.XX STANDARDS

The 802.11 standards are the so-called Wi-Fi standards that have been developed for implementing wireless local area networks (LANs). The 802.16, also known as the WiMax standard, is for deploying a wireless metropolitan area network (MAN).

	<b>802.11a</b>	<b>802.11b</b>	<b>802.11g</b>	<b>802.16d</b>
<b>Distance (radius indoors)</b>	25–75 ft.	100–150 ft.	100–150 ft.	N/A
<b>Distance (radius outdoors)</b>	100–1000 ft.	400–1500 ft.	400–1500 ft.	5–30 miles
<b>Wall penetration</b>	Yes	Yes	Yes	N/A
<b>Bandwidth</b>	54 Mbps	11 Mbps	54 Mbps	75–250 Mbps
<b>Frequency</b>	5.2 GHz	2.4 GHz	2.4 GHz	2–11 GHz
<b>QoS</b>	No	No	No	Yes
<b>Mobility</b>	Yes	Yes	Yes	No
<b>Product availability</b>	Today	Today	Today	Today
<b>No. of channels</b>	8	3	3	Unlimited*

\* The number of channels available is dependent on the amount of spectrum available.

### USEFUL WEB LINKS:

<http://wi-fiplanet.webopedia.com/>

<http://www.wimaxforum.org/home>