

Making Connections



WiFi is an abbreviation that stands for **Wireless Fidelity**. It is a **wireless networking technology** that allows computers and other devices to communicate using Radio Transmissions. The **IEEE*** set the **802.11** standards for networking.

Actual vs Theoretical Speeds

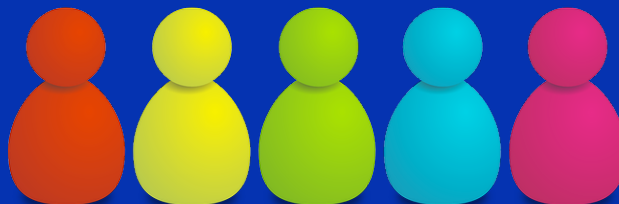
(Theoretical Maximum is combined upstream and downstream speeds)

The actual speed of a wireless link is effected by:

The distance between the device and the access point.



The amount of **Interference**



Shared bandwidth

Who uses WiFi?

Perhaps a better question is, who doesn't? Increasingly, almost every device is becoming WiFi-enabled. Your cell phone, media player, laptop or tablet, watch, television even, your refrigerator.

Release Date: **1999**
Frequency: **5 Ghz**
Max Speed: **54 Mbps**
Range: **35m** (indoors)

Release Date: **2003**
Frequency: **2.4 Ghz**
Max Speed: **54 Mbps**
Range: **38m** (indoors)

Release Date: **2013**
Frequency: **5 Ghz**
Max Speed: **1 Gbps**
Range: **35m** (indoors)

Release Date: **1999**
Frequency: **2.4 Ghz**
Max Speed: **11 Mbps**
Range: **35m** (indoors)

Release Date: **2009**
Frequency: **2.4 & 5 Ghz**
Max Speed: **300 Mbps**
Range: **70m** (indoors)



Images: