

**802.11b** has a maximum raw data rate of 11 Mbit/s and uses the same [CSMA/CA](#) media access method defined in the original [[IEEE 802.11](#) (wireless networking)] standard. Due to the CSMA/CA protocol overhead, in practice the maximum 802.11b throughput that an application can achieve is about 5.9 Mbit/s using [TCP](#) and 7.1 Mbit/s using [UDP](#).

802.11b products appeared on the market in early 2000, since 802.11b is a direct extension of the [DSSS](#) (Direct-sequence spread spectrum) modulation technique defined in the original standard. Technically, the **802.11b** standard uses [Complementary code keying](#) (CCK) as its modulation technique. The dramatic increase in throughput of 802.11b (compared to the original standard) along with simultaneous substantial price reductions led to the rapid acceptance of 802.11b as the definitive wireless LAN technology.

source - IEEE 802.11b-1999. (2008, May 4). In *Wikipedia, The Free Encyclopedia*. Retrieved June 26, 2008, from <http://en.wikipedia.org/wiki/802.11b>

Most Hautspot venues currently employ 802.11b as their client access technology. Compared to [802.11g](#) (which also occupies the 2.4GHz band), signal typically travels farther and with less degradation.

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