

IEEE 802.11a/b/g/n Wireless Standards

Release Date	Oct-99	Oct-99	Jun-03	Sep-09	Additional Comment
Standard	802.11a	802.11b	802.11g	802.11n	
Operating Frequency	5 GHz	2.4 GHz	2.4 GHz	5 GHz / 2.4 GHz	
Throughput	20 Mbps	~5 Mbps	~22 Mbps	50-144 Mbps	average rate of successful message delivery over a communicatoin channel.
Net Bit Rate (max.)	54 Mbps	11 Mbps	54 Mbps	600 Mbps	link rate excluding the network overhead
Gross Bit Rate (max.)	72 Mbps	?	128 Mbps	?	link rate including protocol overhead
Max Indoor Range	15 m	45 m	45 m	70 m	
Max Outdoor Range	30 m	90 m	90 m	250 m	
Digital Modulation Scheme (Linksys WRT400N)	OFDM	CCK, QPSK, BPSK	OFDM	BPSK, QPSK, 16-QAM, 64-QAM	CCK (Complementary Code Keying)

*Source Wiki / Linksys