









Some IEEE 802.11 Standards	
» IEEE 802.11a	
 PHY Standard : 8 channels : up to 54 Mbps : some deployment 	
» IEEE 802.11b	
 PHY Standard : 3 channels : up to 11 Mbps : widely deployed. 	
» IEEE 802.11d	
 MAC Standard : support for multiple regulatory domains (countries) 	
» IEEE 802.11e	
 MAC Standard : QoS support : supported by many vendors 	
» IEEE 802.11f	
 Inter-Access Point Protocol : deployed 	
» IEEE 802.11g	
 PHY Standard: 3 channels : OFDM and PBCC : widely deployed (as b/g))
» IEEE 802.11h	
 Suppl. MAC Standard: spectrum managed 802.11a (TPC, DFS): standard 	
» IEEE 802.11i	
 Suppl. MAC Standard: Alternative WEP : standard 	
» IEEE 802.11n	
 MAC Standard: MIMO : standardization expected late 2008 	•
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Protocol	Release Data	Freq.	Rate (typical)	Rate (max)	Range (indoor)		
Legacy	1997	2.4 GHz	1 Mbps	2Mbps	?		
802.11a	1999	5 GHz	25 Mbps	54 Mbps	~30 m		
802.11b	1999	2.4 GHz	6.5 Mbps	11 Mbps	~30 m		
802.11g	2003	2.4 GHz	25 Mbps	54 Mbps	~30 m		
802.11n	2008	2.4/5 GHz	200 Mbps	600 Mbps	~50 m		























