



IEEE Std 802.11-2012

	802.11-1997 / Prime		802.11b		802.11a		802.11g		802.11n	
Year	1997		1999 & 2001		1999		2003		2009	
PHY	FHSS	Clause 14	HR-DSSS	Clause 17	OFDM	Clause 18	ERP-OFDM	Clause 19	HT	Clause 20
	IR	Clause 15								
	DSSS	Clause 16								
Band	2.4 GHz		2.4 GHz		5 GHz		2.4 GHz		2.4 & 5 GHz	

802.11 Standards

	802.11a	802.11n		802.11ac		
	20 MHz	20 MHz	40 MHz	40 MHz	80 MHz	160 MHz
Total Subcarrier	64	64	128	128	256	512
Data Subcarrier	48	52	108	108	234	468
Pilot Subcarrier	4	4	6	6	8	16
Unused Subcarrier	12	8	14	14	14	28

802.11 Standards

	IEEE Std 802.11-2007	IEEE Std 802.11-2012
Clause 14	FHSS PHY	FHSS PHY
Clause 15	DSSS PHY	Infra Red (IR) PHY
Clause 16	Infra Red (IR) PHY	DSS PHY
Clause 17	OFDM	HR/DSSS PHY
Clause 18	HR/DSSS PHY	OFDM PHY
Clause 19	ERP (ERP/DSS/CKK & ERP/OFDM)	ERP (ERP/DSS/CKK & ERP/OFDM)
Clause 20	NA	High Throughput (HT)

