

Wi-Fi

802.11

Sigla	Frequenza di lavoro	Velocità	Descrizione
802.11a	5,4 GHz	54 Mbps	In realtà 20 Mbps
802.11b	2,4 GHz	54 Mbps	In realtà 24,7 Mbps
802.11g	2,4 GHz		
802.11n	2,4 GHz 5,4 GHz		

Frame MAC 802.11

I campi di un generico frame MAC 802.11 sono:

- Frame control (2 byte)
 - Protocol version (2 bit)
 - Type (2 bit)
 - Subtype (4 bit)
 - To DS (1 bit)
 - From DS (1 bit)
 - More fragments (1 bit)
 - Retry (1 bit)
 - Power management (1 bit)
 - More data (1 bit)
 - WEP (1 bit)
 - Order (1 bit)
- Duration/ID (2 byte)
- Address 1/Address 2/Address 3/Address 4 (6 byte)
- Sequence control field (2 byte)
- Frame body (da 0 a 2312 byte)
- Frame check sequence (4 byte)

Control	Duration/ID	Add ress 1	Add ress 2	Add ress 3	Add ress 4	Sequence control field	Frame body	Frame Check Sequence
2	2	6	6	6	6	2	0-2312	4

- 802.11 authentication is a process whereby the access point either accepts or rejects the identity of a radio NIC (Network Interface Card – Scheda di rete).