

The background features a large white circle in the center, partially overlapping a light blue area on the left and a light pink area on the right. A dark blue shape is at the bottom, also overlapping the white circle. The text is centered within the white circle.

WIFI

CyberQuince

“WIRELESS FIDELITY”



WI-FI

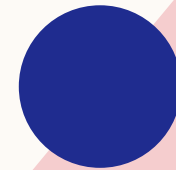
Wi-Fi is a family of wireless network protocols, based on the IEEE 802.11 family of standards, which are commonly used for local area networking of devices and Internet access.

THE WI-FI STANDARDS

IEEE standard	Yr. of release	Frequency (Hertz)	Data rate (max.)
802.11a	1999	5GHz	54Mbps
802.11b	1999	2.4GHz	11Mbps
802.11g	2003	2.4GHz	54Mbps
802.11n	2009	2.4GHz & 5GHz	600Mbps
802.11ac	2014	2.4GHz & 5GHz	1.3Gbps
802.11ax	2019	2.4GHz & 5GHz	10-12Gbps
802.11be	2024/2025	2.4GHz, 5GHz, 6GHz	40Gbps

WIFI ELEMENTS

- 📶 BSS – Basic Service Set
- 📶 Access Point (AP)
- 📶 SSID – Service Set Identifier
- 📶 Wi-Fi jungle
- 📶 Beacon frames
- 📶 Passive scanning
- 📶 Active scanning





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