

WLAN EXPLAINED: A SIMPLE OVERVIEW

What is A WLAN?

Wireless Local Area Network: A network that connects devices wirelessly within a limited area

Wi-Fi, a type of WLAN based on IEEE 802.11, enables wireless internet access, allowing devices to connect to the internet or a network without the need for physical cables.



Current WiFi Standards

Wi-Fi 4 - Max Speed: 600 Mbps

Frequency: 2.4 GHz and 5 GHz

Introduced: 2009

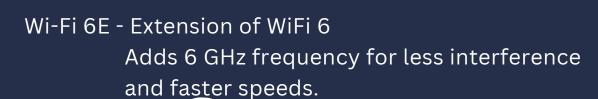
Wi-Fi 5 - Max Speed: 3.5 Gbps

Frequency: 5 GHz Introduced: 2014

Wi-Fi 6 - Max Speed: 9.6 Gbps

Frequency: 2.4 GHz and 5 GHz

Introduced: 2019





Seamless WiFi

Wireless network that is setup up to provide uninterrupted connectivity as users move between different access points



Strategies for Securing WAPs

Change Default Login Credentials Use Strong Encryption (WPA3) Disable WPS (Wi-Fi Protected Setup) **Enable MAC Address Filtering**

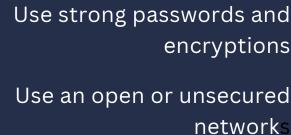
DO

DONT

DO

DONT

Do's & Don'ts of Wi-Fi Access





Share sensitive information on public WiFii









A WAP extends the WiFi coverage area, allowing more devices to connect to the network.







