



# INTRODUCTION

- ❖ A wireless network refers to a computer network(Radio Frequency ).
- ❖ Connections between nodes in the network.
- ❖ Wireless networks plays role in homes, businesses, and telecommunications networks.

## Types of wireless networks

- WLAN
- WMAN
- WWAN
- WPAN

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# WLAN

- ❖ A wireless local-area network (WLAN) is a group of collocated computers or other devices.
- ❖ A network based on radio transmissions rather than wired connections.
- ❖ A Wi-Fi network is a type of WLAN



# WMAN

- ❖ A wireless MAN, or WMAN, is a fixed wireless installation that interconnects buildings or locations.
- ❖ There are two basic types of WMANs: back haul and last mile.
- ❖ Back haul is for enterprise networks, cellular-tower connection and Wi-Fi hotspots.



# WWAN

- ❖ A wireless wide area network (WWAN).
- ❖ WWAN was use for cell towers to transmit a radio signal within a range of several miles.
- ❖ Contrast with "wireless Wi-Fi LANs" (WLANs), which span only a few hundred feet to stationary or very slow-moving devices.



# WPAN

- ❖ A WPAN is used for connect without the use of wires or cables.
- ❖ A WPANs use close-range wireless connectivity protocols such as Bluetooth.