How to voin Wineless network?

## Wineless Frequencies

2.4 GHZ

5 long range communication because it has better penetration through burriers

5 Slower data rate compare to 5 stt

3 Higher rate of Interference because of its longer range

12 Has 11 channels in total.

5 Non-overlapping channels 1, 6, and 17 offer the last chance of minimizing interference

Wive less	Stone Frequency 1		Compatibility	Feature X	ée∾	Shave princes of someth and send and receive email.  Systom of Receives logs from devices in a network
802.11 a Wifi 1	5 GHZ	54 Mbys			1999	Neb servers >  Servers web pages asing the HTTP or HTTS protocol.  Authorization Authorization Accounting
802.11 b Wifi2	2.4 642	11 mbps			1999	
802. 11 g	2.4 CHz	S4 Mbps			2003	
882.11n wifi 4	2.4 8 5 GHZ	Coompt		Mimo	2009	
802. 11 ac	24 8 5 GHZ	3.5 Wap	ı	MU-M1M2 (4×4)	2012	
802 11 04 Wifi 6	2.4 by 5 alls	26 Gbp	5	(8×96)	0 2019	

## Legacy / Embedded System

Golder systems still on a network 4 May not be secure as no updates ane available

4 SCADA

[Supervisory control and data

acquisition ] providing gas and electric power 5 May have to be section off the network to ensure no access Internet of Things (10T) devices

9 all devices connect to the

internet

internet wineless to work: 6 can age many protocols to work:

· Z wave

· Zig bee

· blue footh

· NFC

· REID . 802.11 IP addresses

5 most fundamental

What is a server?

(A server is a computer of

a software system that provides services, data, or resources to other computers (clients)

over a network.)

5 GHZ Spectrum

· Shorter ronge commernication because of poor penetration through barriers

· Faster data rotes

o Has (45) in total and 24 nonoverlapping channels

· 20 MHz use

" 40 MHZ use 38, 46, 151, 159

· La chance of interference because of its shorter range.

> Print servers → Shans printers

DNS -> Translet domain name to IP address

DHCP - Gives out IP address on a network

Share files and folders on a network

Other Wineless Hetworks Long-Range Rixed Wineless

Access Points Configuration SPID: Service Set Identifier

IP address: useign a stati(IP

wireless Channel: 1,6,11 (29atts)

Signal Degradation:

· Walls and Other Burriers

Bluetosth

Password:

· Diftance

mouse \_ Keyboards, headsets

o Interference

Near field communication (NFC)

4cm (1 and 1/2 inch) or less

Radio Frequency Indentification (RFID)

work for inventory management, acress coord, ez pass (toll collection)

Internet Appliances

· Spam gateways

· Unified Threat Monagement (UTM) G A combination of antimalware, fireual and intrasion detection system (IDS)

· Load balancers

4 albu multiple servers served the some amount of traffic

· Proxy Servers