

Introduction to Networking

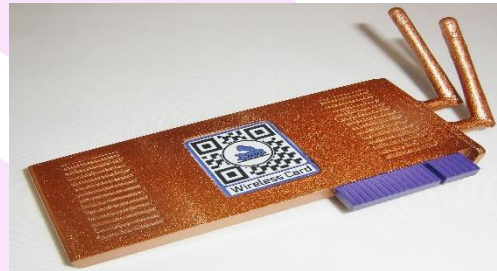


The Wireless Card is part of the Computer System. It allows us to connect to the internet without the need for physical cables.



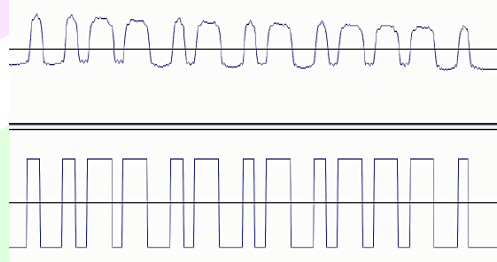
1. What piece of equipment broadcasts a signal through radio waves to allow us to connect to the internet?

2. How does the wireless card receive radio signals?



3. Where on the motherboard does the wireless card sit? Why is this the best position for the antennae?

4. What format does the wireless card translate the radio signals into so the CPU can understand the transmission?



5. List other devices that can connect wirelessly?

6. Wired Vs Wireless : Which is better?

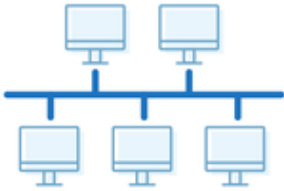
Wired through Ethernet Cable		Wireless through Wireless Card	
Advantages	Disadvantages	Advantages	Disadvantages



Challenge:

1. Match the different types of Local Area Network (LAN) topology for a wired network.

Ring



Star



Bus



Which topology would be best used in a school? Explain your answer

2. Using the Ring topology, draw what a Wide Area Network (WAN) looks like.

