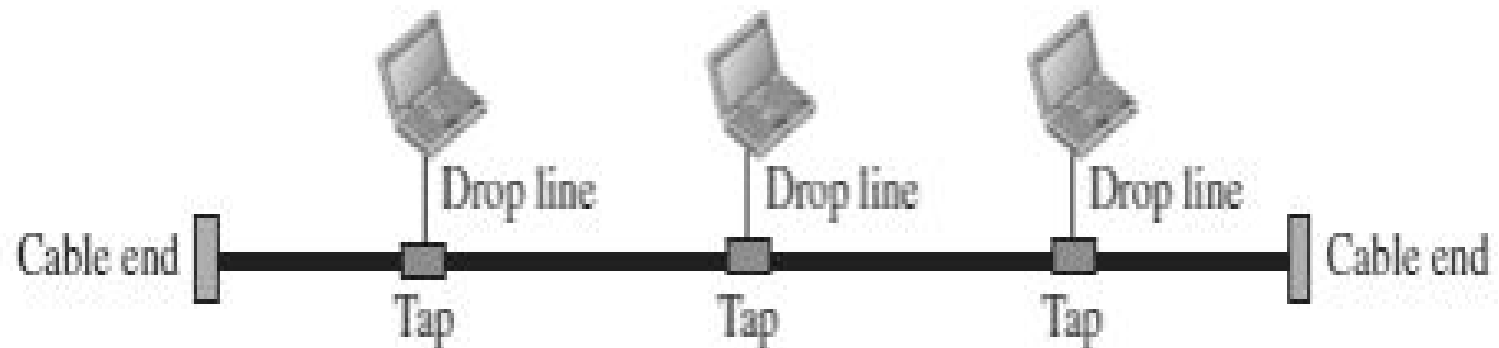# Bus Topology

Elementrix Classes

Bus Topology

❏ Bus topology is a network type in which every computer and network device is connected to single cable.

❏ The long single cable acts as a backbone to link all the devices in a network.

❏ When it has exactly two endpoints, then it is called Linear Bus topology.

❏ It transmits data only in one direction.

Cable end | Drop line | Drop line | Drop line | Cable end

Tap | Tap | Tap

Advantages of Bus Topology	*Disadvantages of Bus Topology*
1. It is cost effective.	1. Cables fails then whole network fails.
2. Cable required is least compared to other network topology.	2. If network traffic is heavy or nodes are more, the performance of the network decreases.
3. Used in small networks.	3. Cable has a limited length.
4. It is easy to understand.	4. It is slower than the ring topology.
5. Easy to expand joining two cables together	

पढ़िए और पढ़ाइये

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