

TYPES OF CONNECTION



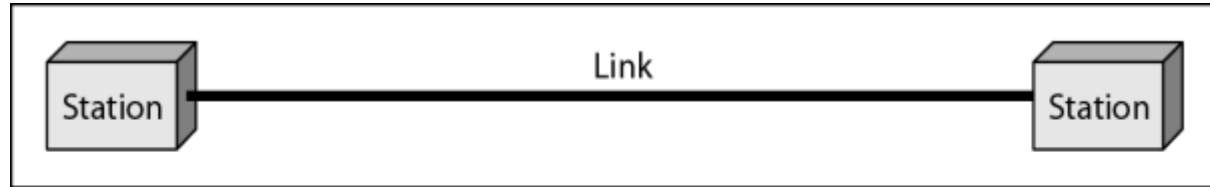
Subject :COMPUTER NETWORKS

Unit :I

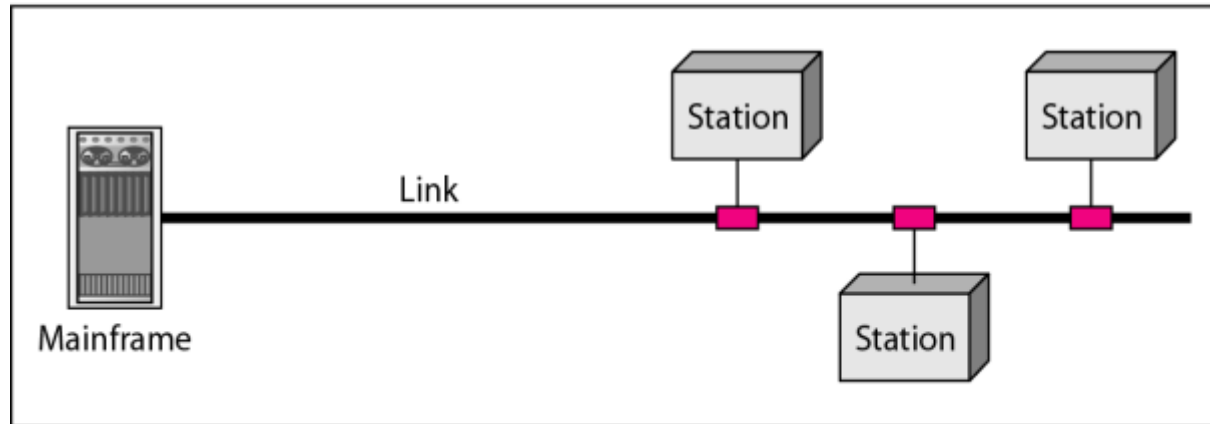




TYPES OF CONNECTION



a. Point-to-point



b. Multipoint



POINT TO POINT



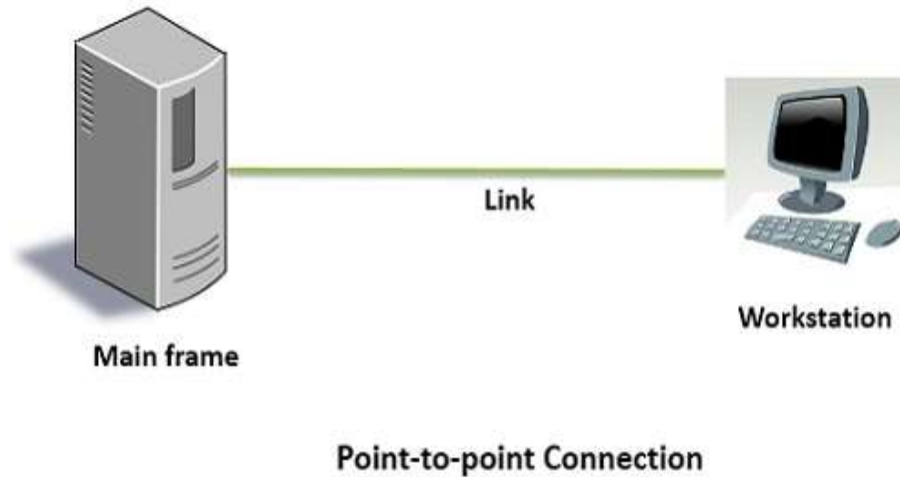
- ❑ To connect *two communication* devices in a link
- ❑ Point-to-point connection is a *unicast* connection
- ❑ Dedicated *link between an individual pair devices*
- ❑ The capacity of the entire *channel is reserved* only for the transmission of the packet between the sender and receiver





EXAMPLES

Frame relay, T-carrier, X.25, etc.





MULTI POINT CONNECTION

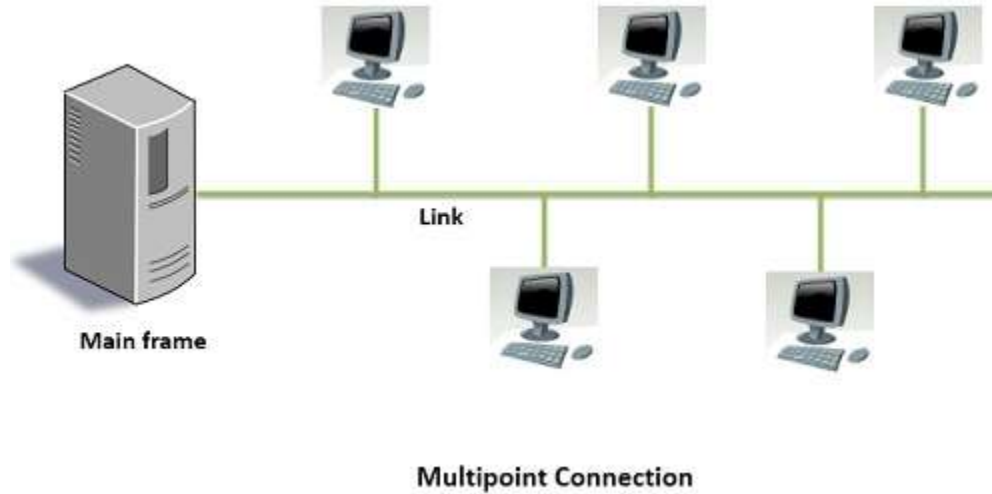


- ❑ Connection established between *more than two devices*
- ❑ It is also called *multi drop* line configuration
- ❑ Single *link is shared* by multiple devices





EXAMPLES



Frame relay, token ring, Ethernet, ATM, etc.



NETWORK



A **network** is a set of devices (often referred to as **nodes**) connected by communication **links**. A node can be a computer, printer, or any other device capable of sending and/or receiving data generated by other nodes on the network.





CRITERIA



- Performance
- Reliability
- Security





ASSESSMENT 1

1. Three or more devices share a link in _____ connection
2. In computer network nodes are _____.
3. When collection of various computers seems a single coherent system to its client, then it is called _____.





REFERENCES:

- 1.Data Communications and Networking, Fourth Edition by Behrouz A. Forouzan





THANK YOU

