

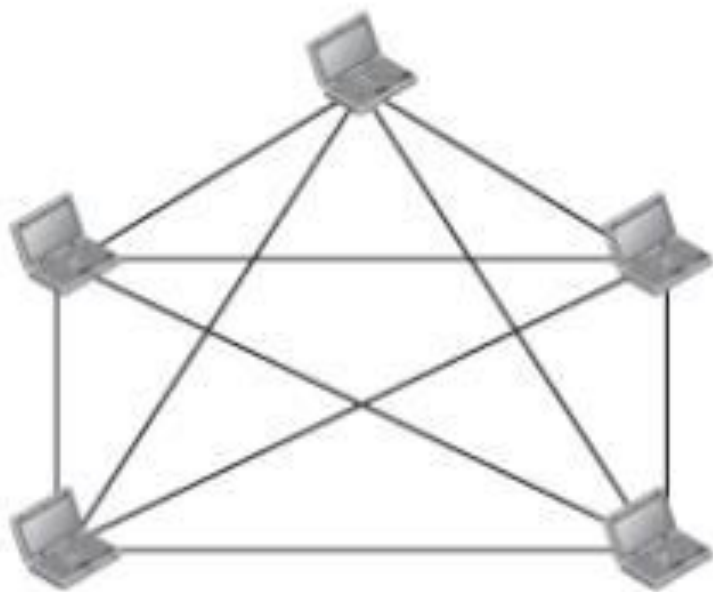
# **Mesh Topology**

**Elementrix Classes**

# Mesh Topology

- ❑ In a mesh topology, every device has a dedicated point-to-point link to every other device.
- ❑ The term dedicated means that the link carries traffic only between the two devices it connects.
- ❑ The number of physical links in a fully connected mesh network with  $n$  nodes is given by  $n(n - 1) / 2$ .

$n = 5$   
10 links.



### **Advantages of Mesh Topology**

1. Each connection can carry its own data load.
2. It is robust.
3. Fault is diagnosed easily.
4. Provides security and privacy.

### **Disadvantages of Mesh Topology**

1. Installation and configuration is difficult.
2. Cabling cost is more.
3. Bulk wiring is required.

पढ़िए और पढ़ाइये

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