

## 4.3.1 Networks - Choosing a network for a company

*You should understand the factors which influence choice:*

- *cost of network*
- *size of organisation*
- *how the system will be used*
- *existing systems*
- *performance required*
- *security issues*

### **Types of networks available and the use of associated hardware.**

Network topologies

Wireless networking

*You should understand the advantages and disadvantages of:*

- *client server networks*
- *peer to peer networks*
- *Bus/Ethernet*
- *Ring*
- *Star*
- *Suitable topologies for LAN and WAN*
- *Advantages and disadvantages of different network topologies*
- *Advantages and disadvantages of wireless networks*

### **Software components**

Network management, administration and problem solving strategies

- *User accounts and logs; security strategies;*
- *configuration management; remote management;*
- *disaster planning (backup and restoration);*
- *auditing (keeping logs).*