Network types

Who owns the internet

Its not owned by any individual or group.

It’s a worldwide collection of interconnected networks, cooperating with each other to exchange information using common standards

Local networks

They come in all sizes (2 computers to networks connecting hundred thousands of devices)

SOHO (small office/home office)

- Small network installed in small offices or homes and home offices

- They let you share resources such as printers, documents, pictures and music, between a few local users

Large networks

- they can be used to advertise and sell products, order supplies, and communicate with customers

- communication over netwrork is often more efficient and less expensive

Small home networks

It connects a few computers to each other and to the internet

Small office and home office networks

SOHO allows computers in a home office or a remote office to connect to a corporate network, or access centralized shared resources

Medium to large networks

(corporations or schools)  
 they can have many locations with hundreds or thousands of interconnected hosts

World wide networks

It’s a network of networks that connects hundreds of millions of computers   
 world-wide

Mobile devices

Smartphones

- able to connect to the internet from almost anywhere

- they combine the functions of many different products together, such as a telephone, camera, GPS receiver, media player, and touch screen computer

Tablet

- like smartphones, also have functionality of multiple devices

- they are ideal for watching videos and reading magazines or books

- they are able to do many of the things they used to do on PC

Smartwatch

- can connect to smartphones to provide the user with alerts and messages

- additional functions, such as heart rate monitoring and counting steps, can help people to track their health

Smart glasses

- they contain screen that displays information to the wearer

- a small touch pad on the side allows the user to navigate menus while still being able to see through

Connected home devices

Many of the things in your home can also be connected to the internet so that they can be monitored and configured remotely

Security system

- they can be monitored and configured remotely using a mobile device

Appliances

- refrigerators, ovens and dishwashers can be connected

- it allows the homeowner to power them on or off, monitor the status and also be alerted to preset conditions

Smart TV

- to access content without the need for TV service provider equipment

- it can allow user to browse the web, compose email or display video, audio or photos stored on a computer

Gaming console

- download games and play with friends online

Other connected devices

Smart cars

- many new cars can connect to internet to access maps. Audio and video content, or information about a destination, they can inform you if there is attempted theft or call assistance in case of accident…

RFID Tags

- radio frequency identification tags

- can be placed in/on objects to track them or monitor sensors for many conditions

Sensors and actuators

- can provide temperature, humidity, wind speed, barometric pressure, and soil moisture data

- acudators can then be automatically triggered based on the current conditions

Medical devices

- such as pacemakers, insulin pumps, and hospital monitors provide users or medical professionals with direct feedback or alerts when vital signs are at specific levels