[](https://www.knowitallninja.com/)Digital Devices 1

# Task 1

Personal computers include devices like desktops and laptops. However, there are some fundamental differences between a desktop and laptop. List three features of a laptop that differ from a desktop.

1. Integrated screen, keyboard & touchpad.

2. Built in battery to allow use without a main power cable.

3. Built in wireless technologies, e.g. WiFi & Bluetooth (these can be found in desktops but are much less common).

# Task 2

Servers are not necessarily more powerful than desktop computers (though they usually are). However, there are ways in which server hardware is usually different to desktop hardware. Identify three of these differences below.

1. Usually use a CPU with greater number of processing cores (though clock speed may be slower).

2. Greater durability against vibrations on hard disk drives.

3. Components are usually more energy efficient.

# Task 3

Mobile devices usually make use of system-on-a-chip. Identify three components of a computer that you can find on the microchip used in system-on-a-chip.

1. CPU

2. Memory

3. GPU

# Task 4

Different types of computer exist as they are specialised for different types of task. In the table below, give an example use for each of the different types of digital devices listed.

|  |  |
| --- | --- |
| Device | Example |
| Personal Computer | General office tasks, such as word processing, desktop publishing & data handling. |
| Server | Storing and managing access to resources, such as a web server managing access to web pages and their associated files. |
| Mobile Devices | Accessing the internet while on the go for tasks like web browsing, email and instant messaging. |
| Entertainment Systems | Watching films/tv and listening to music over the internet. Playing video games. |
| Navigation Systems | Providing directions to a chosen destination while driving. |