

Difference Between Desktop and Laptop

The major difference between desktop and laptop is that desktops can be used in both houses and offices. However, laptop is packaged as one whole device and we can carry it while traveling. Let us now discuss the difference between desktop and laptop based on their utility and functionalities, which are as follows.

Desktop VS Laptop	
Desktop	Laptop
Desktops are large in size.	laptops are small in size.
Desktops need external peripheral devices to provide functionality.	It has in-built devices to provide functionality.
It runs on a power supply.	It runs on a battery and power supply.
It is not portable.	It is portable.
The desktop has a powerful processor.	Laptops do not have a powerful processor in comparison to desktops.
The number of data ports is more.	The number of data ports is less.
It is easy to repair a desktop.	Repairing a laptop is hard due to its complex structure.

What is a Desktop?

It is a non-portable graphical user interface. It is a physical system consisting of a CPU(Central Processing Unit), a keyboard, a monitor, and a mouse. It requires a constant power supply to function.

Desktops are mainly used in office spaces and organizations where the portability of the systems is not required. Desktops were in high demand in the late 19th century and early 20s. Nowadays, laptops have replaced desktops because of their advantages over desktops.

Advantages of Desktops

In the early 19th century, desktops came with the following advantages, which lured technological giants and people to use them to save energy and time.

Following are the advantages:

- Reliability
- High disk space
- Accuracy
- High speed of data transmission
- Long lifetime
- Cheap cost

What is a Laptop?

It is an all-in-one portable computer. It runs on battery or AC power that lasts for hours. One can work remotely with laptops as they are easy to carry and compatible to work on. They basically have an LED or LCD screen.

In laptops, the keyboard, CPU, monitor, and mouse all are in-built. They are light in weight and small to carry to different work locations.

Advantages of Laptops

In the early 21st century, the world witnessed laptops replacing desktops. The difference between desktops and laptops is sure because of the advantages attached to laptops. The advantages of laptops are as follows:

- Portability
- Less power usage
- The convenience of assembly
- Lightweight and small

Key Difference Between Desktop and Laptop

The key difference between desktop and laptop are as follows.

- Laptops are convenient and don't require a set location, but desktop computers require more room and time for installation.
- Laptops are convenient and don't require a set location, but desktop computers require more room and time for installation.

- External parts found in desktop computers include the monitor, UPS, CPU, keyboard, etc. Laptops, on the other hand, contain built-in features like a built-in keyboard and touchpad.
- Before use, desktops require complete installation whereas, laptops are already set up and ready to go.
- Laptops do not have a high storage capacity compared to desktops and do not have irreplaceable hard drives. Desktop computers have high storage capacity and replaceable hard drives.
- Laptops require significant upkeep and require skill, but desktops do not require either of these things.

Similarities Between Desktop and Laptop

The similarities between desktop and laptop are given below.

- The majority of desktops and laptops come pre-installed with programs and operating systems like Windows 7 or if it's an Apple machine, Mac OS.
- Both computer units have ports (which vary depending on the brand and model) and a built-in CD/DVD player, however, some of the more recent laptop versions have started to phase this out.
- External hard drives, printers, cameras, phones, and other peripheral devices can be attached to both desktops and laptops.