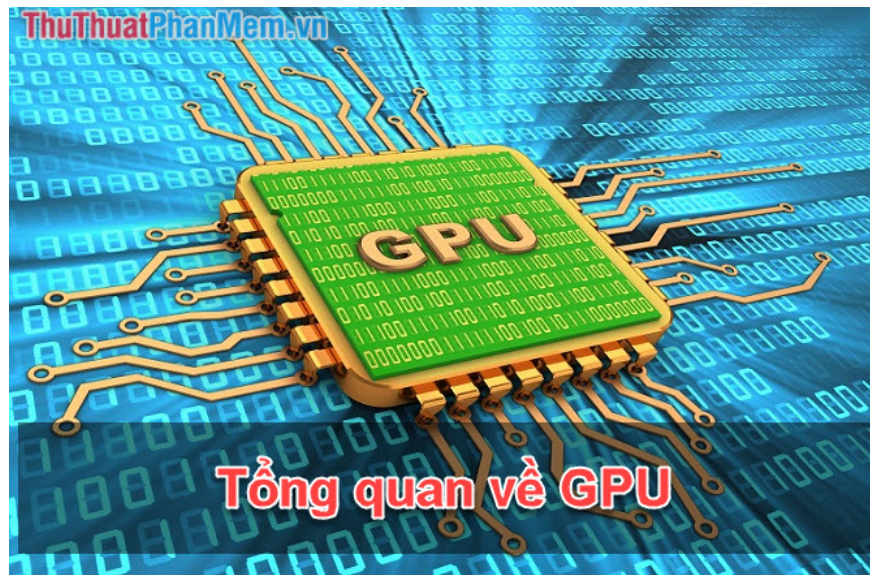


# What is a GPU?

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## What is a GPU?

GPU is an acronym for Graphics Processing Unit - called a dedicated graphics processing unit to receive the task of accelerating and processing graphics for the central CPU. GPUs have outstanding features that go far beyond basic graphics drivers (such as Intel's GPUs).

## Overview of GPU

Modern GPUs have very high productivity in computer graphics processing. With its powerful parallel processing structure, the GPU data processing speed can receive thousands of data streams at the same time so it is possible to accelerate some software more than 100 times compared to a CPU.

The GPU is used in embedded systems, mobile phones, personal computers, workstations, game consoles, etc. In personal computers, a GPU can appear on the graphics card, or Can also be mounted on mainboard.

The GPU is also an electronic chip but functions as a separate processor of the graphics card, which itself has the ability and power to handle all problems related to the image of the computer. The two most popular series of graphics chips are: NVIDIA and AMD

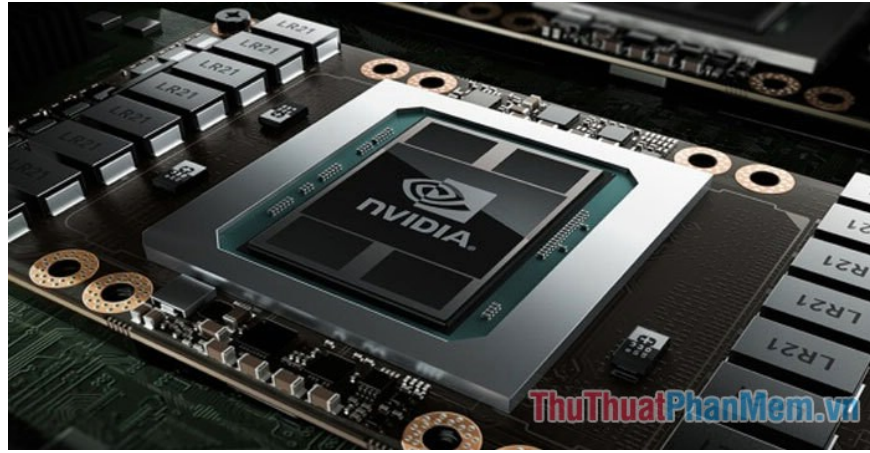


Before the advent of the GPU, the CPU had to handle computer programs, data and graphics and image processing at the same time. The amount of work is too much, so the CPU operates in an evenly distributed manner. Graphic work and office work both receive the same amount of resources. Therefore, the graphic products were born very limited.

The GPU was first introduced and introduced on August 31, 1999 by NVIDIA and is considered the most popular parallel processor to date. Based on unfulfilled expectations for real-time, real-time graphics capabilities, the GPU has evolved into a processor that can perform floating-point calculations as well as the ability to create submit. Today's GPUs truly surpass CPUs in their arithmetic and memory bandwidth capabilities, making them the ideal processor to speed up many different parallel data processing applications.

Since GPU Computing (GPU Computing), everything has changed completely to reduce the workload for the CPU, the CPU has only the task of dragging the system to run the GPU's operation and devoting its pulse to other tasks of the system, saving considerable time, solving pressures in providing a high quality product to the market, .

Some GPU applications can be mentioned such as: Graphics, 3D Design, Image Processing, effects in movies and animation, some GPU series for gaming .



Through the above article, TipsMake.com is convinced that you have understood some of the overview and concept of GPU and its role. Thank you for watching!

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