Hello everyone, my name is Harry. Today my topic is GPU, short for Graphic Processing Unit. So firstly, I would like to build a general recognition of GPU for you. GPU is one of the most great inventions in recent years. The main power of producing AI products. The engine of image processing software. It drives modern graphic rendering to see amazing animations and movie special effects. I bet that 50% of computer-related technologies depend on GPU.

Then, let me do a brief introduction to help you know GPU better.

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A GPU normally contains six components – Graphic Memory Controller, Graphics and Compute Array, Display Interface, Video processing unit, Power management unit and Bus interface. GCA is the most important part of all. Nearly all of the computing tasks are operating on the GCA.

In our daily lives, we can see two types of GPU, the dedicated GPU and Integrated GPU.