The main computer component is a microprocessor. It is the largest chip designed to process instructions. The list of instructions that a microprocessor can perform is called its instructions set. A microprocessor performance is affected by several factors, they are clock speed, it is the number of time a second, that a circuit operates. Bus speed. It is how quickly the system bus can move data from one computer component to other. Word size is the maximum number of bits, that a CPU can process a time. Core. It is a processor built into a CPU. A the more cores computer has, the faster it works.

Also there are some kinds of computer memory. RAM (or random access memory) is a temporary holding area for data. RAM holds data waiting to be processed. ROM (or read-only memory) is permanent and non-volatile memory. EEPROM is a kind of ROM that is non-volatile, but user-modifiable. The BIOS (or basic input/output system) is a program that is stored in ROM, making it firmware. The BIOS gives us possibility to configure hardware-based settings such as: computer password, the date and the time. UEFI is the improved version of the BIOS. And the last type is CMOS memory. It held basic information about storage, memory and display configurations.

Also there are some 3 types of storage technologies. The first is magnetic storage technology. Magnetic storage stores data by magnetizing microscopic particles on a disk or tape surface. An example of this type is hard disk drive. The second type is optical storage technology. CD and DVD technologies are classified as optical storage, which stores data as microscopic light and dark spots on the disk surface. And the third type is solid state storage (or flash memory) is a technology that stores data in erasable (иризбл), rewritable circuitry (соко(р)три), rather than on spinning disk. It provides fast access to data, because it includes no moving parts.

Of course we should remember about hardware security. There are some recommendations for you: just never leave your portable devices unattended, record your portable computer’s make, model, serial number and carry your portable computer in special case.