**GPU**

Comparison of GPU cores of video cards {item\_name1} and {item\_name2}. The GPU kernel data contains the number of execution blocks and texture shaders. Both of these parameters have a great influence on the computing power of the video card.

**Memory**

Comparison of the amount, type and speed of memory of {item\_name1} and {item\_name2} graphics cards. A large amount of graphics memory affects the speed of processing large and detailed textures in high resolution. Speed and memory bandwidth are also important for this.

**Clock Speeds**

The clock frequency of the graphics card determines the speed of the graphics architecture. New manufacturing processes are making higher and higher clock frequencies possible, and you must pay attention to the power consumption of the graphics card, as it also depends to a large extent on the clock frequency.

**Thermal Design**

Сравнение тепловой расчетной мощности у видеокарт {item\_name1} и {item\_name2}. TDP определяет максимальное энергопотребление видеокарты. Вентиляция компьютера и производительность блока питания зависят от показателя TDP и должны быть оптимизированы под него.

**Cooler & Fans**

The type of fan cooler, as well as their number and size, determine its volume. A loud video card can be perceived as annoying. Generally, larger fans are better because they can spin more slowly, moving the same volume of air, as opposed to smaller fans.

**Connectivity**

In the Connectivity category we have recorded the maximum number of ports on the graphics card. Here you can also see the maximum number of screens that can be connected to the graphics card.

**Featureset**

This section tells you what features your graphics card has. We also include ray tracing support for true ray-tracing of light and shadows.

**Supported Video Codecs**

Supporting and accelerating certain video codecs directly on the video card reduces the load when playing or creating video. This can have a positive effect on power consumption and reduce the heat generated by the graphics card.

**Dimensions**

A size comparison of {item\_name1} and {item\_name2} graphics cards.Having the exact dimensions of your graphics card, you can check if it will fit in your computer case. We have also added a PCI Express parameter, which the graphics card supports the most.

**Additional data**

In addition to data such as release date and price, when the video card was released, we provide a link to the video card specifications directly from the manufacturer.