Developed and manufactured by [Intel](https://www.computerhope.com/comp/intel.htm), the **Core i5**is a computer processor, available as dual-core or quad-core. It can be used in both desktop and laptop computers, and is one of three types of processors in the "i" series (also called the Intel Core family of processors).

The Core i5 processor is available in multiple speeds, ranging from 1.90 GHz up to 3.80 GHz, and it features 3 MB, 4 MB or 6 MB of [cache](https://www.computerhope.com/jargon/c/cache.htm). It utilizes either the LGA 1150 or LGA 1155 socket on a [motherboard](https://www.computerhope.com/jargon/m/mothboar.htm). Core i5 processors are most often found as quad core, having four cores. However, a select few high-end Core i5 processors feature six cores.

The most common type of [RAM](https://www.computerhope.com/jargon/r/ram.htm) used with a Core i5 processor is DDR3 1333 or DDR3 1600, however, higher performance RAM can be used as well (if the motherboard supports it).

Power usage varies for the Core i5 processors:

* Slower speeds (1.90 GHz to 2.30 GHz) use 11.5 W of power
* Medium speeds (2.60 GHz to 3.10 GHz) use 15 W, 25 W, 28 W or 37 W of power
* Faster speeds (3.20 GHz to 3.80 GHz) use 35 W, 37 W, 45 W, 47 W, 65 W or 84 W of power

Core i5 processors are commonly found in desktop computers for most everyday use and some higher performance needs. Some laptop computers feature Core i5 processors as well, to provide improved performance for heavier usage needs. At the lower speeds, battery usage is pretty conservative and can reach up to five hours or usage on a single charge. However, at higher speeds, battery usage is higher and may result in up to three hours or so of usage per charge.

\*\*\*\*\* i5 processors basically introduced to mange the different strategies between the low and the advanced working. Some of the technical specifications of the i5 processors that deal with the performing or working capacity and the technicalities of operation of the i5 processors in the computer system are listed below.

1. i5 processors have ability to work with integrated memory and can enhance the performance of the applications. The increase the memory up to 1333 MHz.
2. As i5 processors have high speed performing rate so they are able to perform at the maximum CPU rate of 3.6 GHz
3. Turbo technology is present in the device that boost up the working speed of the computational systems.
4. It also provides the 64 bit architecture for the users for the reliable and much more faster working.
5. Micro architecture for the i5 processors was presented by the Nehalem and these processors have a cache rate up to 8 MB.

**More advantages of i5 Processors:**

There are many more benefits of the i5 processors because they are advanced form of the processing units. Some more important benefits of the i5 processors are given below

1. Providing high quality visualization for advanced applications
2. High performance with the help of dual processor technology
3. HD graphics enhance the video graphing and applications related to the same architecture

**Basic Features of Intel i5 Processors:**

As i5 processors are more advanced as compared to the i3 or all the previous versions of the processors. It has lot of features that deals the advanced technologies in a very respectable way. Some of the basic key [Intel i5 features](http://wifinotes.com/computer-hardware-components/I5-intel-processors.html) are as follows:

1. Basically i5 processors are introduces to do the intelligent networking and enhance the performance of the working for the sake of different purposes such as for gaming, faster procession, reliable data transmission etc.
2. One of the important*feature of the i5 processors is that it automatically manages the power supply where needed and does not break the speed and the performance of the system*.
3. i5 processors also allow the user to enjoy the heavy applications with the higher rate such as HD video composing, composing a music and many more.
4. i5 also provide the opportunity to the users to use the system with multi tasking.
5. i5 processor are also able to increase the memory of the system and help users to work with the high bandwidth and great performance.
6. A big feature of the i5 processors is that they have ability to run two multitasking processors together that are generally called as dual processors and can increase the working performance of the system efficiently.
7. *Turbo boost technology of i5 processors is the key beneficial feature of the i5 processors* that allow the users to do their regular and important working with the help of heavy applications
8. An i5 processor also consists of Hyper Threading technology that enables the users for multitasking and improves their business or working by working on the two different tasks at the same time.