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~~How  
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A computer is an electronic machine  
that processes information—in other  
words, an information processor: it  
takes in raw information (or data) at

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one end, stores it until it's ready to work on it, chews and crunches it for a bit, then spits out the results at the other end. All these processes have a name.

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How Microprocessors Work. Tell the A register to latch the value currently on the data bus. Tell the B register to latch the value currently on the data bus. Tell the C register to latch the value currently output by the ALU. Tell the program counter register to latch the value currently on the data ...

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The clock is the first component in the core of the CPU and will turn off and on at a set interval, measured in hertz, or cycles per second. This is the speed you see advertised alongside CPUs; a

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5 GHz chip can perform 5 billion cycles per second. Clock speed is often a very good metric for how fast a CPU is.

~~HTG Explains: How Does a CPU  
Actually Work?~~

The computer does its primary work

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in a part of the machine we cannot see, a control center that converts data input to information output. This control center, called the central processing unit (CPU), is a highly complex, extensive set of electronic circuitry that executes stored program instructions.

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~~How Computers Work: The Evolution  
of Technology~~

When you first press the power button, the computer sends a signal to



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the computer power supply, which converts the AC (alternating current) to DC (direct current). This power supplies the computer and its components with the proper amount of voltage and electricity. Once the computer and its components have ample power and the power supply

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reports no errors, it sends a signal (using transistors) to the motherboard and the computer processor ( CPU ).

~~How does a computer work?~~

It explains the operation of a simple, but fully functional, computer in completedetail. The simple computer

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described consists mainly of a processor and main memory. Relays, which are explained, are used in the circuitry instead of transistors for simplicity.

## ~~How Computers Work~~

A microprocessor is a small electronic

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device that can carry out complex calculations in the blink of an eye. You can find microprocessors in many devices you use each day, such as cars, refrigerators and televisions. The most recognized device with a microprocessor is the personal computer, or PC.

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~~How PCs Work | HowStuffWorks~~

About the Author Ron White has been writing How Computers Work for 20 years, during which time he ' s also been executive editor at PC Computing magazine, BYTE.com, and groovyPost.com. He ' s been a

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~~How Computers Work (How It  
Works): Amazon.co.uk: White ...~~

Here are the main components of a  
computer: CPU – or Central  
Processing Unit is considered the

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Most important component in a computer and for good reason. It handles most operations that make it function, by processing instructions and giving signals out to other components. The CPU is the main bridge between all the computer ' s major parts.

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The Central Processing Unit (CPU), or processor for short, is the heart of the computer. It is the computer's main chip and provides instructions for all the other components of the



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~~What Does a Computer Processor Do?  
And Other Important ...~~

A "complete" computer including the hardware, the operating system (main software), and peripheral equipment required and used for "full" operation

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can be referred to as a computer system. This term may as well be used for a group of computers that are connected and work together, in particular a computer network or computer cluster.

~~Computer - Wikipedia~~

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Classical computers carry out logical operations using the definite position of a physical state. These are usually binary, meaning its operations are based on one of two positions. A single state - such as on or off, up or down, 1 or 0 - is called a bit.

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~~How Do Quantum Computers Work?~~  
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If you are wondering how microprocessors work, you have come to the right place. A microprocessor is a small processor. If you already know something about electronics, don't be put off by the fact that the book starts

Download Free How  
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And very simple and uses relays  
instead of transistors. You will get  
through the first chapter quickly.

~~How Computers Work:~~

~~Microprocessor and Main Memory:~~

~~Tutorial~~

A computer is a machine (hardware)

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that receives and processes data according to the instructions given to it, and after the data has been processed, the results of the processing are usually sent to an output device.

~~How does a Computer work? |~~

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A processor is a device that helps the computer read the input and determines what it needs to do. Let's talk a little more about a processor. It's very small, and sometimes it's referred to as a...

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How Computers Work - Hardware.

IntroComputing.org Computer

Hardware. The computer is an  
amazingly useful general-purpose  
technology, to the point that now  
cameras, phones, thermostats .. these



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are all now little computers. This section will cover a lot of ground, introducing major parts and themes of how computer hardware works.

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