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A Microprocessor is an important part of a computer architecture without which you will not be able to perform anything on your computer. It is a programmable device that takes in input perform some arithmetic and logical operations over it and produce desired output. In simple words, a Microprocessor is a digital device on a chip which can fetch instruction from memory, decode and execute them and give results.

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The first generation microprocessors were introduced in the year 1971-1972 by Intel Corporation. It was named Intel 4004 since it was a 4-bit processor. It was a processor on a single

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chip. It could perform simple arithmetic and logical operations such as addition, subtraction, Boolean OR and Boolean AND.

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In 1978, 16-bit INTEL 8086 microprocessor of 64 pins was introduced and in 1979 other 16-bit microprocessor 8088 was developed. In addition to the other

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## **Microprocessor - Wikipedia**

Introduction • Microprocessor is an electronic chip that functions as the central processing unit (CPU) of a computer • In other words, we can call microprocessor as the heart of any computer system. • Some may call the microprocessors as the brain of the computers. • The microprocessor based systems with limited resources are called as microcomputers.

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(Bernstein, p.202) INTEL (8-BIT MICROPROCESSORS) : The 8080, designed as a successor to Intel's 8008, was the first powerful microprocessor introduced on the market.

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