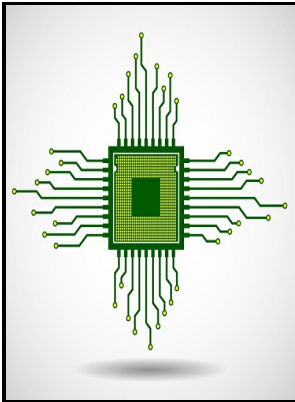# Microprocessors - a short introduction

H.M.S.O. - What is Microprocessor: Block Diagram, Evolution, Working, Features

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Evolution of Microprocessor

The evolution of microprocessor was divided into five generations such as first, second, third, fourth, and fifth-generation and the characteristics of these generations are discussed below.

Evolution of Microprocessor

IPC Instructions Per Cycle - It is a measure of how many instructions a CPU is capable of executing in a single clock. The range of word length of a processor ranges from 4 — 64 bits based on the sort of the microcomputer.

Evolution of Microprocessor

Instruction Set The instruction set can be defined as the set of commands understood by the microprocessor.

Microprocessor

Business Calculator In the year 1971, a business calculator like Unicom 141P was invented. Clock Speed When the no.

Evolution of Microprocessor

The range of word length is from 4 bits to 64 bits depending upon the type of the microcomputer. The number of transistors used in this microprocessor is 2,300 and instruction per second is 60K. The control unit controls the flow of data and instructions within the computer.

What is Microprocessor: Block Diagram, Evolution, Working, Features

The applications of the microprocessors mainly involve controllers in home appliances, equipment, office publication and automation, consumer electronic goods, calculators, accounting system, video games, , and data acquisition systems Thus, this is all about the types and evolution of microprocessor. Evolution of Microprocessor in Different Applications The following gadgets were implemented by using different microprocessors.

Microprocessor

Examples of the second-generation microprocessors are 16-bit arithmetic 7 pipelined instruction processing, MC68000 Motorola microprocessor. The 1st BB was accessible in the year 1999.

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