oprocessor :
Types & Its Applications

ıral part of various electronic devices. It forms the nd is responsible for performing multiple operations. u will not be able to perform any operation on your ıponent of the electronic industry and is used for perform computational and logical operations such ocess communication, input-output management. be done based on the number of instructions it can ıave given a detailed description of a microprocessor, lications.

processor?

is nothing but the Central Processing Unit of a ructed on a single chip. It is an integrated circuit and

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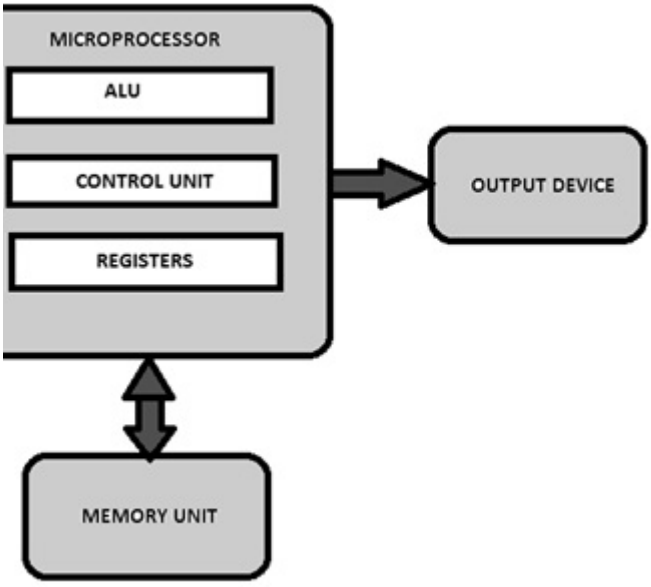
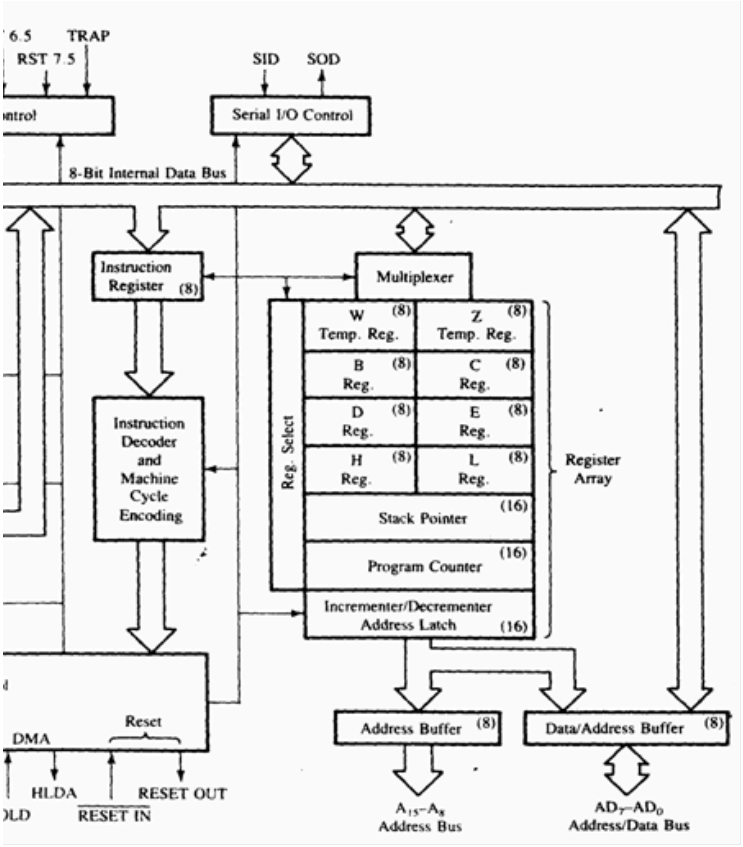


Microprocessor

chitecture

he architecture of the 8085 microprocessor.

a stack pointer of 16 bits, the program counter of 16 h.



Architecture

. The architecture mainly consists of the arithmetic rol unit, instruction register, decoder, interrupt control ut control. The ALU performs the various arithmetic e timing and control unit brings about coordination icroprocessor. Given below is the architecture of an

CATEGORY

Electronics

Components

discussed below.

group of instructions or command which is given to
uction set acts as an interface between the software

v more about 8085 Microprocessor MCQs

mission of data, address and control information. This
nt elements of the microprocessor. The bus in this is
are data bus, a control bus, and address bus.

nstructions that a CPU can execute in a single clock

ts that can be processed in a single instruction.

number of bits that can be processed by the instance of time.

s of data formats which the microprocessor can SCII signed number and unsigned number.

:essors

sed below.

Set type is capable of executing single instructions ns. These low-level functions can be used for several nemory, memory store or any kind of arithmetic tions can also be performed.

Set type can be used to work with fewer instruction :M. It is made up of a set of simple instructions and it nstruction pipeline flow. RISM is the most commonly

able of implementing instruction-level parallelism and essor. It can execute more than one instruction per kind of processor is extremely fast and gives more imitive scalar processors.

tegrated Circuit

is used for specific purposes only. They can be used bitcoin miner. The design is extremely modern and croprocessor in a single chip.

there are a number of special processors as well. elow.

o handle practical functions faster than the normal cessor is the 8087 processor.

sed to control IO devices. One such example is the essor has its own memory.

r

res a number of components like the term memory, emory. We can use this processor to process analog

elow.

oy Intel. It is a 16-bit microprocessor that has 16 data
e storage is 1 MB. It consists of instruction sets using
form complex operations easily. It operates in two
ode and minimum mode.

cessor include the following.

perform a number of operations.
s capable of processing over 3 billion instructions per

move data between various memory locations.

processor include the following.

ne size of data
port the floating-point operation
g of the design
ntact with any kind of external device

icroprocessor

essor in our personal computers
er printers
evision and mobile phone
tary applications
us game machines and calculators

v more about Microprocessor MCQs

ɹsed for?

essor chip to perform different operations. It can be ement to give the desired output.

basically the same. However, CPU is used to refer to sor unit of a microprocessor.

nple?

processors like Budget, Mainstream and Dual-Core

ant?

necessary instructions which are required by a ic device to perform its operations.

processor?

the Arithmetic Logic Unit and Control Unit. It also has

w more about Stack and Stack Pointer.

view of a microprocessor, architecture, list of terms disadvantages, and applications. Here is a question e of the latest microprocessor used in current