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The microprocessor is the CPU (Central Processing Unit) of a computer. It is the heart of the computer. Here, we will describe Intel 8085 as it is one of the most popular 8-bit microprocessor.

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Intel 8085.

Intel 8085 is an
8-bit, NMOS

microprocessor
designed by
Intel in 1977.

It has following
configuration:

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is a controlling unit of a micro-computer, fabricated on a small chip capable of performing ALU (Arithmetic Logical Unit) operations and communicating with the other devices connected to it.

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ALU, register
array, and a
control unit.
ALU performs

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A microprocessor
is a computer
processor that
incorporates the
functions of a
central

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processing unit
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on a single (or
To more) integrated
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circuit (IC) of
Solutions
MOSFET
construction.

The
microprocessor
is a
multipurpose,
clock driven,
register based,
digital
integrated

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circuit that
accepts binary
data as input,
processes it
according to
instructions
stored in its
memory and
provides results
(also in ...

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set of core
ideas that are
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that control our
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A Microprocessor
is an important

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part of a
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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

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operations over
it and produce
desired output.

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Some
microprocessors
include a small
hardware stack

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built into the CPU, independent from the rest of the RAM. Some people claim that a processor must have a hardware stack in order to run C programs. Most computer architectures have hardware support for a

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Microprocessor
is a controlling
unit of a micro-
computer,

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fabricated on a
small chip
capable of
performing ALU
(Arithmetic
Logical Unit)
operations and
communicating
with the other
devices
connected to it.

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The computer you are using to read this page uses a microprocessor to do its work. The microprocessor is the heart of any normal computer, whether it is a desktop machine,

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a server or a
laptop. The
microprocessor
you are using
might be a
Pentium, a K6, a
PowerPC, a Sparc
or any of the
many other
brands and types
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architecture is
a computer
architecture
with separate
storage and
signal pathways
for instructions
and data. It
contrasts with
the von Neumann
architecture,

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where program instructions and data share the same memory and pathways. . The term originated from the Harvard Mark I relay-based computer, which stored instructions on punched tape (24 bits wide) and data in electro-

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