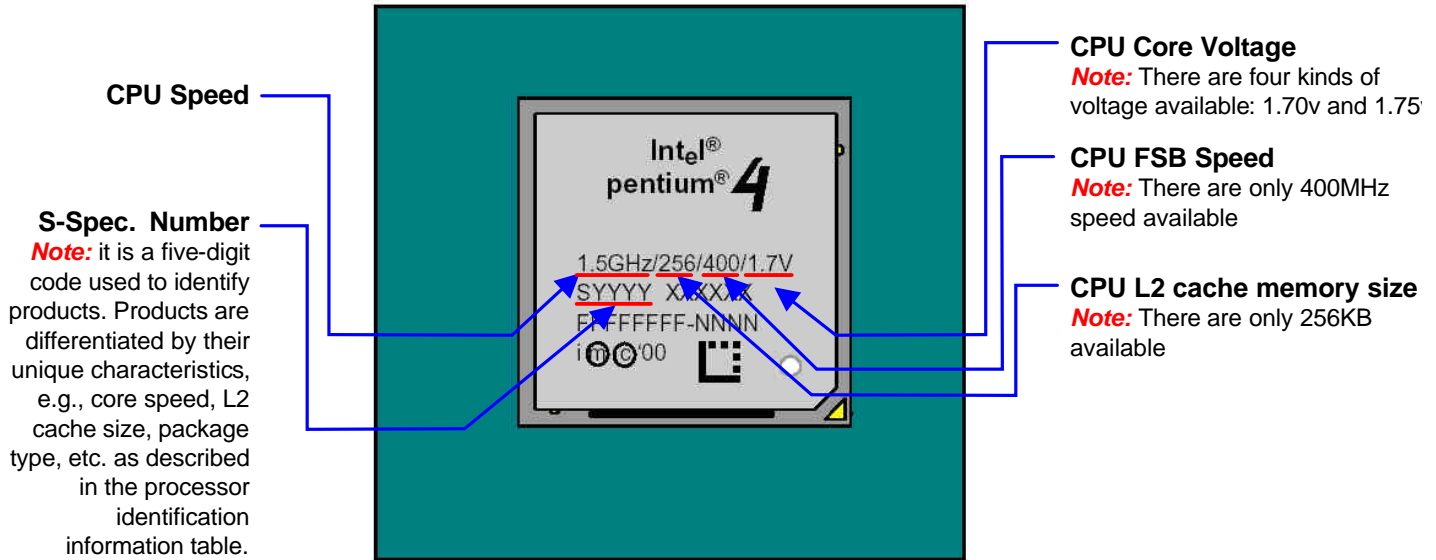# How to identify your Intel P4 CPU?

Before starting, you have to know there are two package types for Intel P4 CPU: 423-pin and 478-pin package. Here comes the detail information about CPU model identifications:

Pentium 4 processor in the 423-pin package and boxed Pentium 4 processor in the 423-pin package markings

CPU Speed

S-Spec. Number
Note: it is a five-digit code used to identify products. Products are differentiated by their unique characteristics, e.g., core speed, L2 cache size, package type, etc. as described in the processor identification information table.

Intel® pentium® 4

1.5GHz/256/400/1.7V
SYYYY XXXXXX
FFFFFFFF-NNNN
i ⓜ©'00

CPU Core Voltage
Note: There are four kinds of voltage available: 1.70v and 1.75v

CPU FSB Speed
Note: There are only 400MHz speed available

CPU L2 cache memory size
Note: There are only 256KB available

Pentium 4 processor in the 478-pin package and boxed Pentium 4 processor in the 478-pin package markings

CPU Speed
Note: The "A" behind the number means it's a 2.0GHz CPU with new porcess.

S-Spec. Number
Note: it is a five-digit code used to identify products. Products are differentiated by their unique characteristics, e.g., core speed, L2 cache size, package type, etc. as described in the processor identification information table.

intel® pentium® 4

2A GHZ/512/400/1.50V
SYYYY XXXXXX
FFFFFFFF-NNNN
i ⓜ©'01

CPU Core Voltage
Note: There are four kinds of voltage available at present: 1.475v, 1.500v, 1.525v and 1.550v

CPU FSB Speed
Note: There are three speed available at present: 400, 533 and 800MHz

CPU L2 cache memory size
Note: There are two size available at present: 256KB and 512KB

Sources: Intel® P4® Processor Data Sheets