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| Bochs User Manual | | |
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5.4. Pre-defined CPU models

If Bochs is compiled with cpu level 5 or higher the CPUID opcode is supported and it can return some information about the cpu model and it's features. When using a pre-defined CPU model in Bochs the features reported by CPUID are set up according to the model's specification. The following table shows all available CPU models with a short description. The amount of choices depends on the CPU features enabled at compile time (3rd column).

**Table 5-2. Bochs CPU models**

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| Value | Description | Required Features |
| bx\_generic | Default Bochs CPU configured with [CPUID](http://docs.google.com/bochsrc.html#BOCHSOPT-CPUID) option | cpu level 5 |
| pentium\_mmx | Intel Pentium MMX | cpu level 5 |
| amd\_k6\_2\_chomper | AMD-K6(tm) 3D processor (Chomper) | cpu level 5 |
| p2\_klamath | Intel Pentium II (Klamath) | cpu level 6 |
| p3\_katmai | Intel Pentium III (Katmai) | cpu level 6 |
| p4\_willamette | Intel(R) Pentium(R) 4 (Willamette) | cpu level 6 |
| core\_duo\_t2400\_yonah | Intel(R) Core(TM) Duo CPU T2400 (Yonah) | cpu level 6 |
| atom\_n270 | Intel(R) Atom(TM) CPU N270 | cpu level 6 |
| p4\_prescott\_celeron\_336 | Intel(R) Celeron(R) 336 (Prescott) | cpu level 6, x86-64 |
| athlon64\_clawhammer | AMD Athlon(tm) 64 Processor 2800+ (Clawhammer) | cpu level 6, x86-64 |
| athlon64\_venice | AMD Athlon(tm) 64 Processor 3000+ (Venice) | cpu level 6, x86-64 |
| turion64\_tyler | AMD Turion(tm) 64 X2 Mobile TL-60 (Tyler) | cpu level 6, x86-64 |
| phenom\_8650\_toliman | AMD Phenom X3 8650 (Toliman) | cpu level 6, x86-64 |
| core2\_penryn\_t9600 | Intel Mobile Core 2 Duo T9600 (Penryn) | cpu level 6, x86-64 |
| corei5\_lynnfield\_750 | Intel(R) Core(TM) i5 750 (Lynnfield) | cpu level 6, x86-64 |
| corei5\_arrandale\_m520 | Intel(R) Core(TM) i5 M 520 (Arrandale) | cpu level 6, x86-64 |
| zambezi | AMD FX(tm)-4100 Quad-Core Processor (Zambezi) | cpu level 6, x86-64, avx |
| trinity\_apu | AMD A8-5600K APU (Trinity) | cpu level 6, x86-64, avx |
| corei7\_sandy\_bridge\_2600k | Intel(R) Core(TM) i7-2600K (Sandy Bridge) | cpu level 6, x86-64, avx |
| corei7\_ivy\_bridge\_3770k | Intel(R) Core(TM) i7-3770K CPU (Ivy Bridge) | cpu level 6, x86-64, avx |
| corei7\_haswell\_4770 | Intel(R) Core(TM) i7-4770 CPU (Haswell) | cpu level 6, x86-64, avx |

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