

Intel Pentium III vs. AMD Athlon

CS 854/551

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P6 Family of Processors

Year	Process	ISA Extensions	Products
1995	0.5 um BiCMOS	-	"P6" Pentium Pro
1995	0.35 um BiCMOS	-	"P6" Pentium Pro
1997	0.35/0.28 um CMOS	MMX	"Klamath" Pentium II
1998	0.25 um CMOS	MMX	"Deschutes" Pentium II / Xeon "Covington" Celeron "Mendocino" Celeron
1999	0.25 um CMOS	MMX, KNI/SSE	"Katmai" Pentium III / Xeon
1999	0.18 um CMOS	MMX, KNI/SSE	"Coppermine" Pentium III / Xeon

The Pentium® III Coppermine



- 28 million transistors
- 106 mm² die area
- IA-32 Architecture