



Processor Comparison	Processor	Optional Co-Processor	Clock Speed Mhz	Process Bus Bit Path	Memory Bus Bit Path	Expansion Slot Bus Bit Path
IBM XT (had socket for co-processor)	8088	8087	4.77	8bit	8bit	8bit * ISA
Clones XT	8088	8087	4.77, 6, 8, 10	8bit	8bit	8bit ISA
IBM AT "286" (had socket for co-processor)	80286	80287	6, 8	16bit	16bit	8 & 16bit ISA
Clones AT "286"	80286	80287	6, 8, 10, 12	16bit	16bit	8 & 16bit ISA
IBM PS/2 (Personal System) Proprietary - "clone killer"	80286 80386		8, 10, 12	16bit 32bit	16bit 32bit	8 & 16bit MC (microchannel)
386 DX (had socket for co-processor)	386	387	16, 20, 25 33, 40	32bit	32bit	8 & 16bit (32bit memory)
Clones: 386,486, Pentium	<i>More clones sold now than all major manufacturers combined</i>					
386 SX step backwards – instruction set allowed 32 bit software to run	386 SX	387 SX option		16bit	32bit 16bit	8 & 16bit ISA (16 bit memory)
486 DX (built in co-processor)	486 DX	builtin	20, 25, 33, 50	32bit	32bit	8, 16bit ** VLB, ISA *** EISA
486 SX is a 486DX with no co-processor	486 SX	487	25,33	32bit	32bit	8, 16bit VLB, ISA
486 DX/2 employs a clock speed doubler to make a 486DX25 run almost like a 486DX50	486 DX/2	builtin	50, 66	32bit	32bit	8, 16bit VLB, ISA
486 SX/2 (doubler, no coprocessor)	486 SX/2	487SX	50, 66	32bit	32bit	8, 16bit VLB, ISA
486 DX/4 (speed tripler)	486 DX/4	builtin	75, 100	32bit	32bit	8, 16bit VLB, ISA
K5 AMD & 6X 86 Cyrix		AMD/none				
Pentium OverDrive	32bit Pentium	builtin	63, 83	64 bit	32bit	8, 16bit VLB, ISA
Pentium 60 & 66	Pentium	builtin	60 & 66	64bit	64bit	8, 16bit ISA, PCI
Pentium 75		builtin	75	64bit	64bit	8, 16bit ISA, PCI
Pentium 90, 100, 120, 133		builtin	60, 50, 60, 66	64bit	64bit	8, 16bit ISA, PCI
Pentium 150		builtin	50	64bit	64bit	8, 16bit ISA, PCI
Pentium 166, 180, 200		builtin	66, 60, 50	64bit	64bit	8, 16bit ISA, PCI
Pentium 166, 200, 233 MMX AMD K6 233		Builtin AMD	66, 50, 66 66	64bit 64bit	64bit 64bit	8, 16bit ISA, PCI same
Pentium Pro 180, 200	Pentium Pro	Builtin	50	64bit	64bit	8, 16bit ISA, PCI
Pentium II (Klamath) 233, 266, 300, 333 AMD K6 -2 266, 300, 333, 400, 500	Pentium II K6-2 w/3D	builtin	66 on each	64bit	64bit	8, 16bit ISA, PCI
Pentium II 350, 400, 450 Deschutes .25 micron Xeon (slot 2) server processor	Pentium II	builtin	100 on each	64bit	64bit	8, 16bit ISA, PCI
Pentium III 500, 550, 600, 650, 700 Katmai (MMX-2) Tillamook Mobile Processor .25	Pentium III	Builtin	100 on each	64bit	64bit	8, 16bit ISA, PCI
AMD Athelon	Athelon	AMD		64bit	64bit	8, 16bit ISA, PCI
Pentium III 733	Pentium III	builtin	133	64bit	64bit	8, 16bit ISA, PCI
Pentium III 750, 800, 866, 933	Pentium III	builtin	100, 100 133 on 866 up	64bit	64bit	
Pentium IV Merced/Williamette	First Proc 64bit instr	builtin		64bit	64bit	

AMD 64 bit processor	64 bit instr.	AMD				
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Expansion Slot Types: ISA Industry Standard Architecture, VLB VESA Local Bus, EISA Extended ISA, PCI Peripheral Control Int