

AMD CPU Transition

		2008				2009				2010		2011
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	1H	2H	
Server & Workstation	MP/DP Server & Workstation	Opteron 83xx (Barcelona) 4-Core, 4MB, DDR2				Opteron 83xx (Shanghai) 4-Core, 8MB, DDR2			Istanbul 6-Core, 9MB, DDR2		Magny-Cours 12-Core, 18MB, DDR3	Sandtiger DDR3
	UP Server & Workstation			Opteron 13xx (Budapest) 4-Core, 4MB, DDR2			Opteron 13xx (Suzuka) 4-Core, 8MB, DDR2					
Desktop PC	Enthusiast Desktop	Phenom 9xxx (Agena) 4-Core, 4MB, DDR2	Phenom X4 (Agena) 4-Core, 4MB, DDR2			Phenom II X4 (Deneb) 4-Core, 6/8MB, DDR2/3					Orochi >4-Core, >8MB, DDR3	
	Mainstream Desktop		Phenom X3 (Toliman) 3-Core, 3.5MB, DDR2			Phenom II X3 (Heka) 3-Core, 7.5MB, DDR2/3		Athlon X4 (Propus) 4-Core, 2MB, DDR2/3			Llano 4-Core, 4MB, DDR3 GPU Core	
	Value Desktop	Athlon X2 (Brisbane) 2-Core, 1MB, DDR2		Athlon X2 7xxx (Kuma) 2-Core, 3MB, DDR2			Athlon X3 4xx (Rana) 3-Core, 1.5MB, DDR2/3	Athlon X2 2xx (Regor) 2-Core, 2MB, DDR2/3				
Notebook PC	Mainstream Notebook		Turion Ultra (Lion-Griffin) 2-Core, 2MB, DDR2				Caspian 2-Core, 2MB, DDR2		Champlain 4-Core, 2MB, DDR3		Llano 4-Core, 4MB, DDR3 GPU Core	
	Value Notebook		Turion RM (Lion-Griffin) 2-Core, 1MB, DDR2									
	Ultraportable Notebook		Athlon QL (Lion-Griffin) 2-Core, 1MB, DDR2			Conesus 2-Core, 1MB, DDR2					Ontario 2-Core, 1MB, DDR3, GPU Core	
	Mini-Notebook		Sempron SI (Sable-Griffin) 1-Core, 512KB, DDR2			Sempron 2xx (Huron) 1-Core, 256KB, DDR2			Geneva 2-Core, 2MB, DDR3			

1-core

2-core

3-core

4-core

>4-core

65nm
K8

65nm
K10

45nm

32nm
Bulldozer

32nm
Bobcat